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# AMPHIPOD NEWSLETTER 39

## Dear Amphipodologists,

We are delighted to present to you Amphipod Newsletter 39! This issue includes interviews with two members of our amphipod family – Alicja Konopacka and Krzysztof Jazdzewski. Both tell an amazing story of their lives and work as amphipodologists. Sadly we lost a member of our amphipod family – Michel Ledoyer. Denise Bellan-Santini provides us with a fitting memorial to his life and career. Shortly many members of the amphipod family will gather for the 16<sup>th</sup> ICA in Aveiro, Portugal. And plans are well underway for the 17<sup>th</sup> ICA in Turkey (see page 64 for more information).

### *Statistics from this Newsletter*

2 new subfamilies

21 new genera

145 new species

5 new subspecies

And, as always, we provide you with a Bibliography and index of amphipod publications that includes citations of 376 papers that were published in 2013-2015 (or after the publication of Amphipod Newsletter 38). Again, what an amazing amount of research that has been done by you! Please continue to notify us when your papers are published. We hope you enjoy your Amphipod Newsletter!

Best wishes from your AN Editors,

*Wim, Adam, Miranda and Anne Helene*

## Interview with two prominent members of the “Polish group”.

The group of amphipod workers in Poland has always been a visible and valued part of the amphipod society. They have organised two of the Amphipod Colloquia and have steadily provided important results in the world of amphipod science. For this edition of the Amphipod Newsletter, the editors have asked Michal Grabowski and Karolina Bacela-Spychalska to interview the retiring seniors Alicja Konopacka and Krzysztof Jazdzewski.

### Alicja Konopacka

#### When and why did you start studying amphipods?

Well, my „amphipod way of life” wasn’t very straight; however I always wanted to be a scientist. First, in 1970 I did a master’s degree in biochemistry at the University of Lodz, in my hometown in Poland. I was studying activity of hormones extracted from thymus of calves. I was fascinated by physiology of metabolism and biochemistry - a supermodern



science at that time, which, I believed, was opening wide horizons compared to traditional zoology or botany. But, simultaneously, I wasn’t very keen on regular visits in slaughterhouse in order to receive fresh (still warm) glands for my studies. And soon I realised that 1) I cannot imagine my whole scientific life in slime and blood, 2) what really fascinates me is biology at the level of organisms – their diversity, way of life and



interaction with other components of ecosystem. So I applied for an assistant position in the Laboratory of General Zoology (which later transformed to the Department of Invertebrate Zoology & Hydrobiology) at

the same university and also decided to do another master’s degree, this time in zoology, which I accomplished in 1973. My first objects of zoological studies weren’t amphipods but freshwater sponges (Porifera) and their associated, symbiotic and commensal, fauna. This became a subject for my doctoral thesis that I defended in 1981. But again sponges, however very interesting, were lacking something... some dynamics, I would say... So, again, I was looking for a subject to explore... Krzysztof (Jazdzewski) was then an associate professor at the department, already well experienced in studying marine (including Antarctic ones) and freshwater amphipods. He proposed me to join him in the research upon the distribution, ecology and taxonomy of amphipods in inland waters of Poland. It was in 1982 and that’s how my life-long adventure with amphipods started.

#### What are your favourite amphipod species names?

There are many, but two of them come to mind first. They are *Gammarus leopoliensis* and *Chelicorophium curvispinum* – each for a very different reason. Let me explain that, please.

First, *G. leopoliensis*, I have described with Krzysztof in 1988 as a species new to science from the western outskirt of Eastern Carpathians that are now the Poland's eastern border. The adjective “*leopoliensis*” refers to Leopoli (meaning “the city of lions”), which is a Latin name of Lviv/Lwów – a nearby major city in Ukraine. It is to commemorate a long tradition of this city as a prominent academic and cultural centre, very important both for Polish and Ukrainians and a symbol of bonds between the two countries. This beautiful city full of historical buildings is a home to one of the oldest academies in Eastern Europe. It's Ivan Franko National University of Lviv (formerly Jan Kazimierz University) founded in 1661. Among their numerous notable alumni and professors were: Henryk Arctowski (oceanographer and Antarctica explorer), Rudolf Weigl (biologist and inventor of the first effective vaccine for epidemic typhus), Stefan Banach (mathematician, father of functional analysis), János Bolyai (mathematician, founder of non-Euclidean geometry), Ivan Franko (poet and

linguist, reformer of the Ukrainian language), Stanisław Lem (science-fiction writer).

While this was serious, the second name, *Chelicorophium curvispinum*, always makes me laughing. In Latin *curvispinum* means “with curved spines” referring to the feature on the species chelae – nothing funny, right... but in Polish and other Slavic languages *curva*, although spelled with “k” and “w” is a vulgar word for a prostitute. Once I have a student working upon a life cycle of that species and she, asked by her non-academic friends about the subject of her study, mentioned the name. After a while, during next meeting, they politely and seriously asked her “And how is your work on this... *prostitutis*, is that right?”. Apparently the name ringed some bell... :-). Hope it's not too obscene for the Amphipod Newsletter...



**What amphipod appendage(s) do you like illustrating the best?**

That will be a short one – meaning the answer, not the appendage. It's pereopod 7. There are couple of simple reasons. First, in gammarids it usually bears some important diagnostic features so it's an appendage I look at very often. Second, it has very simple appearance compared to many other amphipod appendages so it can be drawn quite quickly.

**What amphipod appendage(s) do you like illustrating the least?**

Definitely the mouthparts! They're so complex, and often asymmetric – particularly mandible, which is tridimensional in shape





what makes it particularly difficult to illustrate reliably on the sheet of paper.

These are probably trivial answers to both the above questions but remember I'm not drawing that often. Now I'm buried in identifying tonnes of material for the biogeographical and ecological studies, not in taxonomy anymore.

### Where is your favourite place to collect amphipods?



That relates a lot to my fieldwork as a beginner. My first serious sampling for amphipods was in the Pieniny Mountains in southeastern Poland – exactly in the same area, where we had the 15<sup>th</sup> ICA in 2013. So you can imagine how sentimental it was for me to come back to that place as a senior amphipodologist, receiving the “Amphipod Way of Life” award and retiring that year. But getting back to the topic... my next sampling area were the Bieszczady Mountains, a part of Eastern Carpathians. Ever since then I love

collecting amphipods in montane regions, in all those springs and fast flowing streams with all that picturesque landscapes around, icy-



fresh air and deep-green forests... Particularly I recall the sampling trip to the Alps in May 2011. With Michal (Grabowski), Karolina (Bącela-Spychalska), Remi (Wattier) and Tomek (Rewicz) during ten days we surveyed 50 alpine lakes, looking for the invasive killer shrimp (*Dikerogammarus villosus*). It was obviously a very hard work but the circumstances of nature and the company were more than rewarding. Generally, fieldwork has always been a very important part of my amphipod work since I really love to see how those animals look when alive and in what habitats they thrive. With all the other guys from team we had so many collection trips all around Poland and also other European countries and we spent such a great time together – not only having fun while working but also visiting interesting places and enjoying local cuisines (as we're all very fond of it). It wouldn't be complete without saying that while identifying all these species in the lab it's so great to bring memories associated with each sample label.

### Places you wished you never tried to collect amphipods?

This is surely Antarctica. For a while I was also doing some work with the Antarctic material. I remember that while identifying *Hippomedon kergueleni*, I told Krzysztof that

it's such a nice looking species but unfortunately blind. Krzysztof laughed and said that when alive the species has prominent red eyes. No traces of these eyes were visible in the fixed material. Then I started to wonder how all these Antarctic species really look like and how great it would be to see them alive and in that surrounding. Particularly that other colleagues from our department who worked there, witnessed the magic of the place. But well, I was mostly working with European freshwater species and also due to some health problems I have never visited Antarctica and never had a chance to sample there. At least some reward for that was to see the beautiful



colour pictures of alive Antarctic amphipods made by Gautier Chapelle (from Belgium), who brought them to the 8<sup>th</sup> ICA in Lodz in 1994. I think these were the first such good pictures of them I could see...

### Describe/name the most memorable amphipod moment(s)?

There are so many of them, some I have already mentioned... One comes to my mind at the moment and it's my first visit to Claude's (De Broyer) labs in Brussels. It was in late 1980s, at the end of quite a gloomy decade in Poland, just before the Polish "round table", free elections and all the political changes that have greatly reshaped our country. There was a shortage of nearly everything, including modern optical equipment, good access to scientific literature etc. And remember that this was also the pre-internet era. I was then studying some Antarctic material and couldn't proceed without consulting a comparative collection and taxonomic papers we didn't

have an access to in Poland. And then I entered the very well organised Claude's lab



with his at that time not-yet-digitalised but perfectly organised taxonomic literature database devoted to Antarctic amphipods. In almost a second I could find the proper paper and illustrations for each identified species. The comfort of work and also hospitality of Claude and his wife, Anne-Marie, made me feeling heavenly in both scientific and personal terms. On the other side it made me also aware in how mediocre conditions we had to work back in Poland. Those times are long-gone and I'm sure that now it'll all sound funny and almost unbelievably. But I cannot





help it that I spent nearly half of my life during “those” times and it still amazes me how it all changed since then. It also brings me a reflection that now too often people, particularly the younger generations, take things for granted and do not really appreciate the comfort of work they have... but possibly I go too pesky now...

### **Describe/name your most memorable amphipod meeting(s)?**

Actually all the amphipod meetings are memorable due to the always “family-reunion” type of atmosphere, everybody mentions at every occasion. And it’s not only an expression but the reality of these meetings during which all the newcomers are quickly embraced in the society. Again, I have two flashbacks now, completely unrelated to each other. First is from the 7<sup>th</sup> ICA in Walpole, Massachusetts in 1990, at the very end of the Cold War period. I remember talking to our late colleague Stella Vasilenko, then from Soviet Union, who complained to me that she was given the passport and was let out to visit the USA only at the condition that, until back to Soviet Union, she will keep this trip top secret even from her closest family and friends. I felt so sorry back then. Again, so good now the world’s different and I hope such times will never come back.



My second flashback is the 8<sup>th</sup> ICA in Lodz, Poland in 1994 – the first I co-organised with Krzysztof. It was such a great and



unforgettable experience for me to host in my hometown all the colleagues and friends from all over the world with Traudl (Krapp-Schickel) and Wim (Vader) to be named among others. It was the first time I met Sandro Ruffo and spent friendly time with Jan Stock, the two “gods” from the Pantheon of amphipodologists. Particularly well I remember the very gentle young man named Adam Baldinger, then a freshman in amphipod research and a first-timer, both in ICA and in Europe. We made friends that time and since then I met Adam many times, observing how he gets established in the field. Our last meeting was again in Poland during the 15<sup>th</sup> ICA in Szczawnica, another memorable meeting to me, what I have already mentioned.

### **We know the work with other scientists can shape your life. We are sure many will like to hear about such your experiences if you’d like to share...**

As I have mentioned before, Krzysztof is the person to whom I inevitably owe being an amphipodologist. He directed me to study distribution of freshwater amphipods and their life histories – a subject to which I devoted most of my career. He also introduced me to other amphipodologists. That’s the feature I’ve always admired in Krzysztof – his will to share the knowledge and creating opportunities to other people and facilitating their development. Thanks to such attitude, our team has developed and grown re-shaping my “amphipod way of life” couple of times more. First time it was when I found the first



two invasive Ponto-Caspian amphipods in the Vistula River in 1996. In result we focused upon spread of the invasive amphipods and its consequences for the local species. Soon after, in 1998, Michal has joined our team after coming back from Gulf Coast Research Laboratory, Mississippi. He was still doing his PhD in phylogeography of penaeid shrimp but already started his “amphipod way of life” helping us a lot during field monitoring for the invaders. Soon he applied new skills to study their expansion patterns and also started to lead his own studies upon diversity, biogeography and phylogeography of gammarids and other crustaceans in the Balkan Peninsula. Few years later, Karolina became my graduate student, working upon life cycle of the invasive *Pontogammarus robustoides*. She has successfully continued studying invaders during her doctoral studies, broadening her scope also on their feeding ecology. Then she came for a post-doc to Thierry Rigaud and Remi Wattier in Dijon, France, and came back with a wealth of ideas

to study behaviour of the alien amphipods and their interactions with parasites. Together with Michal their revitalised a lot our team and became its leaders, attracting new young and enthusiastic scholars, such as the two Tomeks (Mamos and Rewicz), Kamil (Hupało) or Michal (Rachalewski), who has become part of our family of amphipodologists. Working together with all of them has broadened my horizons and also put my research on new tracks that I would never foresee before. And still it is a great adventure for me.

### Any other general thoughts/comments?

Looking back from the perspective of a few decades, the satisfaction from my career only partially comes from the research and discoveries I made. Even more important is participating in the development of our team – working with people having new ideas and points of view. Also observing how the new students mature and get even more interested when proceeding with their research – eventually becoming independent researchers but, often, also partners in science. That progress, taking part in development of other people, knowing that work of my generation is continued and ameliorated is a source of great joy for me.



# Krzysztof Jazdzewski

## When and why did you start studying amphipods?

I think that proper year is 1958 when, as a student of biology at the University of Lodz, I was attending the student practice. First I was in Swinoujscie (north-eastern Poland) in the Marine Fisheries Institute, where for a month I was taught to collect benthic fauna from the Baltic and Szczecin Lagoon. There were many crustaceans in the collected samples, but mainly amphipods. That time I was not interested in this group of arthropods and I remember that the most astonishing and fantastic crustacean for me was a cumacean *Diastylis rathkii* occurring in the southern Baltic. However, the amount of amphipods in



the samples was so evident and that was my first experience with these animals. Soon after I started my second student practice in the Hel



Peninsula. I joined the group of students from Warsaw under the leadership of prof. Zdzisław Raabe, the world famous protozoologist. We were also sampling benthic animals, but this time in other part of the Baltic - in the Bay of Puck. Professor Raabe suggested me to try to determine amphipods using a not yet published key by Wiktor Micherdzinski. It was his PhD thesis and prof. Raabe was reviewing it. I followed the suggestion and tried to use this key. By the way, this paper was published in 1959. It was first time I could see that these superficially similar animals like *Gammarus zaddachi*, *G. salinus*, *G. duebeni* or *G. locusta* may be discriminated with some invisible for the first sight features as different species.

I think that this moment, my student practice, was my first amphipod experience.

## What are your favourite amphipod species names?

Ohhh, there are so many names, it is difficult to say... The name *Caprella* sounds for me





very nice and interesting when you look on this animal. But there are so many interesting or strange names and it is difficult to me to find one very special. I remember well many names of Antarctic amphipods because I was working a lot with the Antarctic amphipod fauna, but I cannot find the one special. It is too difficult.... There are also so many funny names..

### **What amphipod appendage(s) do you like illustrating the best?**

I like to draw appendages that carry morphological information for different species and are so obvious. Of course it depends on the genus or family which appendage it is, but for instance the structure of antennae or 3<sup>rd</sup> uropod or the base of 7<sup>th</sup> pereopod is often used. But of course, there are more. That could be also gnathopods. I like to illustrate morphological parts that are informative from the taxonomic point of view. Just recently I was working upon the structure of the second antennae. This way I said I like



this appendage to draw (). I think the structure of 3<sup>rd</sup> uropod is very important for so many amphipods.

### **What amphipod appendage(s) do you like illustrating the least?**

Wow... some mouthparts, maybe maxillipeds.. In fact now it is much easier to prepare drawings as you may use all these special arrangements / equipment to make drawing. I do not see a big difference in making drawing of the mouthparts I like or not really like, so for me is hard to say which ones I do not like to illustrate...

### **Where is your favourite place to collect amphipods?**

I have collected amphipods in many places in the world. I would say that the nicest place for sampling amphipods is Mediterranean Sea.



However, I have never published my results of these samplings. Just for collecting it's a good place because of water temperature, of course I mean the summer temperatures, also because of the transparency of water. Of course, such a collecting during snorkelling is very fine to me. I can say that this is my favourite place to collect amphipods. Another great and very exciting experience was sampling amphipods in Antarctic waters, where I have collected benthic samples when diving with my dear colleague Jurek Zychlinski, not deeper than 15-20 m, with a special bottom sampler. Of course amphipods were mainly crawling in the bottom but I also saw many of them on the surface and swimming around us... That was really exciting.

### Places you wished you never tried to collect amphipods?

That is also very difficult question. Because, really, I have had the possibility to collect amphipods in many different ecosystems: tropical waters, fresh, brackish and saline waters. In Poland, in polar regions, both Antarctic and arctic Spitsbergen waters, also in the seashore of Australia, but not in its coral reefs. From the coral reefs I collected amphipods in Mexico. Well, I had really many possibilities and I do not know where I should go farther to collect more and to be honest, I do not know any place where I would not like to collect amphipods... Of course, the best is to collect amphipods in clear water.

### Describe/name the most memorable amphipod moment(s)?

Amphipod moment... how to understand "amphipod moment"?... This could be a nice meeting with amphipodologists, discussions



about these fantastic animals, or amphipod moment as just collecting amphipods, for instance. Surely, the most exciting moment as sampling of amphipods was definitely this Antarctic diving. But I think that I could also name such a moment during the I-st Polish Marine Antarctic Expedition in 1976. It was on board of the r/v "Professor Siedlecki" and we were trawling fauna from the depth of 600 m. Among many animals that were collected, the biggest sensation for me were giant amphipods as *Eusirus perdentatus*, lysianasoids *Eurythenes gryllus*, or *Cyphocaris* sp. And it was so exciting for me because I have not seen such big amphipods before. And also the colours of these animals, as of *Eurythenes gryllus*, were something special for me. As I remember well this big, about 8 cm long amphipod was beautifully painted in red colours. This first contact with





these giant amphipods was truly something fantastic.

### **Describe/name your most memorable amphipod meeting(s)?**

For me, absolutely, the most memorable meeting was this last one, 15<sup>th</sup> ICA, organised by my pupils. I was so happy that they did so excellent work and there were many, many participants, as I remember from 30 countries and I had such an emotion that my pupils were so good in this organisation and so good in presentation of their results upon Amphipoda. This feeling that I experienced is something very important for a teacher. I remember my father, who was also a teacher, telling me that the best teacher is the teacher that creates pupils better than he himself... and that is true. This is why I was so satisfied. I should add that except of the first *Niphargus* colloquium I participated in all subsequent 14 Amphipod

colloquia and I have organized 2 of them; I have to say that the meeting of friends can be just named: "Amphipod Colloquium".

### **We know the work with other scientists can shape your life. We are sure many will like to hear about such your experiences if you'd like to share...**

It is worth to say warm words about my main colleagues and teachers in amphipod biology and ecology. My first meeting with amphipodologists was in Lyon in 1973 organised by Albert Louis Roux from the University of Claude Bernard. That time our University had very strong connections with this French institution. So, me myself and my colleagues visited that University afterwards several times and our collaboration with Department of Louis Roux was very fruitful. I have one paper published together with Louis. He was my very good first amphipod friend.

During the same meeting in Lyon I have met



Dutch famous amphipodologists: Jan Hendrick Stock and Sjouk Pinkster. We had several meetings in Amsterdam where I had a possibility to study some samples of amphipods in the Museum of University of Amsterdam and Sjouk Pinkster came also to Poland. And we were real friends!

Afterwards also our pupils have still good connections. Other very good amphipodological contacts I've had with Meertinus Meijering from Limnological Station in Schlitz (Max-Planck-Inst.). Our department well collaborated with this Station. My friendship with Meertinus is permanent. When I started to work with Antarctic amphipods in late 70-ties I get acquainted with Claude De Broyer from Brussels. In fact, he also participated in the meeting in Lyon in 73, but our closest collaboration started few years later. Since that time I can frankly say that he is my best amphipod friend. We met many times, or in Brussel or in Lodz, spending also a lot of time together with our families. What is more, we were together in two polar expeditions: one to the Antarctic and one to the Spitsbergen region. And, of course, such expeditions unite people especially strongly. Simply, Claude is my best friend but also my very common co-author; we have published together many papers. He was a very



important person in my amphipod way. I would like also to mention my warm friendship with Traudl Krapp-Schickel and Wim Vader. We had good contacts many times. They hosted me in Germany and in Norway so nicely. I will always remember our fantastic trip all around the Crete. Wim was a perfect driver. And the great end of this stay in Crete: the Amphipod Colloquium organised by Wanda Plaiti.



### Any other general thoughts/comments?

For me the most amazing phenomenon is biological diversity. In each group of organisms: plants, animals.... This is a kind of special beauty. I concentrated on amphipods but you can observe the same in many other crustacean group and many other group of organisms. And of course, this friendship with



other people studying the same scientific problem is from my point of view very important - you may learn so much from them.

I believe that people are happy when they are doing things they love. And I love to work with amphipods and that is the reason why, even retired, I am nearly every day in my Department still studying amphipods. Especially I am doing that so willingly, as the

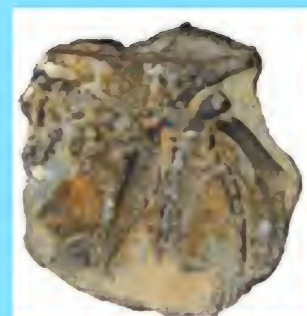
atmosphere in our Department was always very friendly and special. All masters are in close contact with their pupils and always have doors open for them. Now the speed of everything: life, science is too big for me and I have the feeling that it is not necessary to be so quick in so many matters....

## ERRATUM:

*Rosagammarus minichiellus* is not a giant fossil amphipod – it is actually a Decapod tail!

In AN 38 we presented a paper published by McMenamin, et al. (2013) in which the authors reported the discovery of *Rosagammarus minichiellus*, a giant (17 cm) fossil amphipod from Triassic limestone in Nevada, USA. Well it turns out, at the May 2015 Geological Society of America annual meetings, Starr et. (2015) presented a paper that retracts the identity of *Rosagammarus* as an amphipod. The fossil is actually the right half of a decapod tail.

Starr, J.; Hegna, T. & M.A.S. McMenamin. 2015. Epilogue to the tale of the Triassic amphipod: *Rosagammarus* is a decapod tail (Luning Formation, Nevada). Poster No. 42-16 presented at the Geological Society of America 49<sup>th</sup> Annual Meeting (19-20 May 2015).



<https://gsa.confex.com/gsa/2015NC/webprogram/Paper256121.html>

## In Memoriam Michel Ledoyer (1937-2015)

Le 27 mars 2015, Michel Ledoyer nous quittait.

Comment parler d'une personnalité comme Michel ? Enthousiaste, infatigable, ingénieux, chaleureux, imprévisible, d'une intelligence hors du commun !

Nous avons fait nos études d'Océanographie ensemble, sous la direction du Professeur Jean Marie Pérès, promotion 1959-1960. J'étais marseillaise, lui venait de Rennes, la Provençale et le Breton, ont rapidement fait équipe. Nous avons par la suite travaillé côte à côte jusqu'à cette Faune des Amphipodes de Méditerranée qui sous la chaleureuse et paternelle organisation de Sandro Ruffo réunit tous les Amphipodologues prêts à tenter cette improbable aventure remplie d'embûches qui dura une vingtaine d'années et qui fut un de ses derniers chantiers important.

Michel était toujours prêt à tous les défis : aller traquer les Crustacés de la faune vagile dans tous les milieux, depuis la surface jusqu'au bathyal, de la Méditerranée à l'Atlantique, de Kerguelen au Canada, du Mexique à Madagascar, le jour et la nuit, avec toutes les méthodes: fauchoir, chalut, à pied, en scaphandre autonome ou avec un navire hauturier !



1: Michel se préparant à plonger à la Station Marine d'Endoume, 1960

Michel preparing for a dive at the Station Marine d'Endoume (Marseille), 1960

(Photo N. Vicente)

Au laboratoire, Michel était un travailleur infatigable, avec des litres de café, dans un brouillard de fumée de cigarettes, les prélèvements, collections de Cumacés, de Mysidacés, de Décapodes et surtout d'Amphipodes livraient leurs secrets.

Jean Marie Pérès et Jacques Picard, dans leur projet de décrire le benthos mondial et d'en démontrer l'unité écologique nous avaient distribué comme sujets de thèse, soit les groupes zoologiques, soit les niches écologiques : à moi étaient revenus les peuplements de substrats durs, à Henri Massé les peuplements de sable, à Gérard Bellan les Polychètes, à Jean Vacelet les Eponges, ... à Michel la faune vagile.

Entre les prélèvements, les descriptions, les publications, les cours, car Michel avait choisi très tôt la voie de l'enseignement, ce qui lui a permis de transmettre son enthousiasme pour ce qu'il appelait « les petites bêtes » à plusieurs générations de naturalistes, il n'arrêtait jamais.

En fait Michel était profondément un naturaliste, la Nature sous toutes ses formes l'intéressait et lorsqu'il ne travaillait pas il allait parcourir la campagne pour récolter des escargots ou montrer les insectes à ses enfants. Lorsqu'il prit sa retraite, assez désenchanté



par un monde universitaire devenu de plus en plus dur et stérilisant, il décida de tout laisser et d'aller soigner ses roses, chez lui, à Pleubian en Bretagne, heureux, ayant probablement trouvé la paix qu'il avait cherché toute sa vie. Depuis, il manque à ses amis.

### *Denise Bellan-Santini*



4: Michel lors de son départ à la retraite.

Michel at his retirement.

(Photo J.G. Harmelin)



2: Michel avec les plongeurs démineurs de la Marine Nationale, Port Cros, 1960

Michael with mine-sweeper-divers of the national Navy, Port Cros, 1960

(Photo J.G. Harmelin)

Michel Ledoyer left us on 27 March 2015

How to describe a personality as Michel? Enthusiastic, tireless, ingenious, warm, unpredictable, and of uncommon intelligence.

We did our studies in oceanography together, under the direction of Prof. Jean Marie Pérès, crowned with a PhD in 1959-1960. I was from Marseille, he from Rennes, A Provençal and a Breton, and we quickly became a team. Later we worked side by side on the Fauna of Mediterranean Amphipoda, and under the warm and paternal leadership of Sandro Ruffo succeeded in finishing this improbable adventure full of pitfalls; this project lasted some twenty years and became one of Michel's last important pieces of work.

Michel was always ready for all setbacks: let's go and track the motile epifauna in all habitats, from the surface to the bathyal, from the Mediterranean to the Atlantic, from Mexico to Madagascar, day or night, with all different methods: hand-netting, trawling, on foot, free-diving or with a sea-going vessel.

In the lab, Michel was a tireless worker; with liters of coffee, in a fog of cigarette smoke, all the samples of Cumacea, Mysidacea, Decapoda and above all Amphipoda gave up their secrets.

Jean Marie Pérès and Jacques Picard, as part of their project of describing the global benthos and showing its ecological unity, had given each of us as subject for our theses either a taxonomic group or ecological niches: to me fell the populations of hard substrates, to Henri Massé those of sands, to Gérard Bellan the polychaetes, to Jean Vacelet the sponges, ....., and to Michel the motil epifauna.

In between the collecting, descriptions, the courses,-- as Michel very early had chosen the road of teaching, which permitted him to transmit his enthusiasm for what he called 'the beasties' to several generations of naturalists---, he never stopped and rested. In fact, Michel was in reality a true naturalist. Nature in all its forms fascinated him, and when he did not work he was out in the field to collect snails for consumption, or to show insects to his children. When he retired, quite disenchanted with the university world which had become more and more hard and sterile, he decided to leave it all completely and to go and grow roses, at home, in Pleubian in Betagne, a happy man, probably finally having found the peace that he has sought his entire life. Since then, he quite lost contacts with his friends.

*Denise Bellan-Santini*

(English translation by Wim Vader)



3: Michel avec le commandant de l'*Antedon*, bateau de la SME.

Michel with the captain of the *Antedon*, the vessel of the SME.

(Photo J.G. Harmelin)



5: Michel à Pleubian devant ses rosiers

Michel in front of his rose bushes in Pleubian

(Photo J.G. Harmelin)





In July 2013 the **World Amphipoda Database** <http://www.marinespecies.org/amphipoda> was launched. It is hosted by the World Register of Marine Species (WoRMS [www.marinespecies.org](http://www.marinespecies.org)). In order to make this work, thirty amphipod taxonomists agreed to give their time and expertise to work on improving and updating the information on their specialist area of the database. With nearly 10,000 species to look after, we needed to get more experts involved.

The World Amphipoda Database arose from a merger in 2010 of the **World Amphipoda List** compiled over many years by Jim Lowry (Australian Museum), with the **European Register of Marine Species (ERMS)** amphipod list, compiled by Mark Costello with the help of Denise Bellan-Santini and Jean-Claude Dauvin, and edited up until 2013 with significant additions from the **RAMS Amphipoda (Antarctic) list** (compiled by Claude De Broyer) and from other regional editors.

The aim of a World Register is to provide an authoritative and comprehensive list of names of marine organisms, including information on synonymy. While highest priority goes to valid names, other names in use are included so that this register can serve as a guide to interpret taxonomic literature. Each entry can hold a lot of information – the correct name and synonyms, the original description, taxonomic references, plus habitat, distribution and bathymetric data.

Information from the World Amphipoda Database is fed into the World Register of Marine Species (WoRMS), which, as the most comprehensive primary source of quality-assured information on marine species, is the international standard in its field. Beneficiaries of the information – which is often accessed through other databases that are fed by WoRMS – include scientists, consultants, conservationists, journalists, the general public, and many others. While the data is managed and hosted by WoRMS, the WAD holds data on ALL amphipod species, whether Marine, Freshwater or terrestrial. There are currently 9,747 species listed.

It is, of course, an ever growing database, with updates of new taxa and edits to older entries being made all the time. It also contains many errors and has areas for improvement. Tammy Horton, who coordinates the editorial team and undertakes much of the editing points out that there is a priority for entering information into the database. The first priority is of course to include all valid species names. This alone takes time as every

new species added (149 taxa added for 2013, 125 taxa added for 2014) needs to have additional data entered.

These other pieces of information are critical to the usability of the dataset. We ensure the authority is included and correct and the original description is linked as a reference, but preferably also made available as a PDF. This is particularly important when adding older taxa as some older literature is hard to find. Synonyms can also be added to the database and linked to the valid name. In this way you can always find the valid name even if your list is old and changes have taken place (as often happens in taxonomy). A literature reference that recorded the change in taxonomic status should always be linked to the taxon page when making such changes so that the user can check this. All information in the World Amphipoda Database is a reflection of what is already published.

Two projects are currently underway to make improvements to the WAD and also to publish checklists using the database. These include a checklist of freshwater taxa (to include distributional data) and a checklist of deep-sea taxa (to add depth range data). The World Amphipoda Database is also a place where we host our beloved Amphipod Newsletter (see the main page – menu item on the right hand side). Current efforts are underway to scan all of the older ones but we do have already 2000 to 2014

If you wish to report any errors or would like to contribute to the database please contact the coordinating editor Tammy Horton.

Please remember to cite the database when using data from it in your publications as:

**Horton, T.; Lowry, J. & De Broyer, C. (2013 onwards) World Amphipoda Database. Accessed at <http://www.marinespecies.org/amphipoda> on .....**

# Bibliography

Once more I want to thank Frank Krapp (Bonn) for his constant and tireless assistance in finding amphipod literature, as well as those authors who send us editors copies of their recent papers.

Volume 2 of the amphipod fauna of China, again written by professor Ren, has come out; I have ordered it, but as yet not seen it, and its content will therefore first be treated in the bibliography of AN40.

There are many papers, also in this bibliography, where amphipod species, often *Gammarus* or *Hyalella* species, but also others, are used as test animals in toxicology studies. I increasingly wonder, whether any of the colleagues using this bibliography ever has great interest in any of these papers. I have a sneaking suspicion that the users of AN have little or no interest in this type of papers, while the people who ARE interested probably never see the Amphipod Newsletter and its bibliography. I should therefore be very grateful for feedback on this topic: Should we continue to include toxicology papers with amphipods as test animals, or should we skip this type of publications?

My email address still is: [wim.vader\(at\)uit.no](mailto:wim.vader@uit.no)

Wim

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COTHRAN, R. D., A. B. STOLER & R. A. RELYA 2014. Leaves and litterbugs: how litter quality affects amphipod life-history and sexually selected traits. ---- *Freshwater Science* 33, 812-819. (Studies on *Hyalella*).

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COULAUD, R., O. GEFFARD, A. VIGNERON & H. QUÉAU 2015. Linking feeding inhibition with reproductive impairment on *Gammarus* confirms the ecological relevance of feeding assays in environmental monitoring. ---- *Toxicology and Chemistry*, 34, 1031-1038. (Not seen)

CUNHA, T. J., A. Z. GUTH, S. BROMBERG & P. Y. G. SUMIDA 2013. Macrofauna associated with the brown alga *Dictyota* spp (Phaeophyceae, Dictyotaceae) in the Sebastião Gomes Reef and Abrolhos Archipelago, Bahia, Brazil. ---- *Continental Shelf Research* 70, 140-149. (Amphipods in Table 3; Ampithoidae, esp. *Ampithoe ramondi* dominant.)

CURDIA, J., S. CARVALHO, F. PEREIRA, J. M. GUERRA-GARCIA, M. N. SANTOS & M. R. CUNHA 2015. Diversity and abundance of invertebrate epifaunal assemblages associated with gorgonians are driven by colony attributes. ---- *Coral Reefs*, 34, 611-624.

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DAIEF, Z., A. BORJA, L. JOULAMI, M. AZZI, A. FAHDE & H. BAZAIRI 2014. Assessing benthic ecological status of urban sandy beaches (Northeast Atlantic, Morocco) using M-AMBI. ---- *Ecological Indicators* 46, 586-593. (M-AMBI stands for Multivariate AZTI Marine Biotic Index).

DANELIYA, M. E. & R. VÄINÖLÄ 2014. Five subspecies of the *Dorogostaiskia parasitica* complex (Dybowski) (Crustacea: Amphipoda: Acanthogammaridae), epibionts of sponges in Lake Baikal. ---- *Hydrobiologia* 739, 95-117. (Deals with *D. p. parasitica* (the type species of the genus), *D. p. kamaltynovi* n. ssp, *D. p. hanajevi* n. ssp, *D. p. ushkaniensis*



n. ssp. and *D. p. stenocephala* n. spp. They all occur at different localities in Lake Baikal.)

DAOUST, S. P., K. K. KING, J. BRODEUR, B. D. ROITBERG, B. ROCHE & F. THOMAS 2015. Making the best of a bad situation: host partial resistance and bypass of behavioral manipulation by parasites? ---- *Trends in Parasitology*, in press.

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DE CLIPPELE, P. BUHL-MORTENSEN & L. BUHL-MORTENSEN 2015. Fauna associated with cold-water gorgonians and sea pens. ---- *Continental Shelf Research* 105, 67-78. (Amphipods not specified)

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DE SMET, B., A.-S. d'HONDT, P. VERHELST, J. FOURNIER, L. GODET, N. DESROY, M. RABAUT, M. VINCX & J. VANAVERBEKE 2014. Biogenic reefs affect multiple components of intertidal soft-bottom benthic assemblages: the *Janice conchilega* case study. ---- *Estuarine, Coastal and Shelf Science*, 152, 44-55. (A Belgian study.)

DE SMET, W. H. 2015. Description of *Pseudogolphiella possessionis* n. sp. (Crustacea, Amphipoda) from sub-Antarctic Ile de la Possession, Crozet archipelago: the second freshwater amphipod known from the Antarctic biome, a human introduction of Gondwanan ancestry? ---- *Zootaxa* 3941, 221-238.

DEDOURGE-GEFFARD, O., L. CHARRON, C. HOFBAUER, V. GAILLET, F. PALAIS, E. LACAZE, A. GEFFARD & O. GEFFARD 2013. Temporal pattern of digestive enzyme activities and feeding rate in gammarids (*Gammarus fossarum*) exposed to inland polluted waters. ---- *Ecotoxicology and Environmental Safety* 97, 139-146.

DENNEMOSER, S. & M. THIEL 2015. *Cryptic female choice in crustaceans*. ---- Pp 203-237 in A. V. Peretti & A. Aisenberg (eds). *Cryptic female choice in arthropods*. Springer International Publishing.

DI LORENZO, T., M. CIFONI, P. LOMBARDO, B. FIASCA & D. M. P. GALASSI 2014. Ammonium threshold values for groundwater quality in the EU may not protect groundwater fauna: evidence from an alluvial aquifer in Italy. ---- *Hydrobiologia*, 743, 139-150.

DiSALVO, B. C. & J. M. HAYNES 2015. Colonization and persistence of *Crangonyx pseudogracilis* (Bousfield 1958) in temporary pools. ---- *Freshwater Science* 34, 547-554.

DOMENECH, F., F. J. BADILLO, J. TOMAS, J. A. RAGA & F. J. AZNAR 2014. Epibiont communities of loggerhead marine turtles (*Caretta caretta*) in the western Mediterranean: influence of geographic and ecological factors. ---- *Journal of the Marine Biological Association UK*, in press.

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ESPOSITO, V., S. GIACOBBE & A. COSENTINO 2015. Distribution and ecology of the tube-dweller *Ampelisca ledoyeri* (Amphipoda, Ampeliscidae) associated with the hydrothermal field off Panarea Island (Tyrrhenian Sea, Mediterranean). ---- *Scientia Marina*, in press.

EXTABE, A. G. & A. T. FORD 2014. Do demon shrimps carry demon parasites? ---- *FBA News* 62, 10-11.

EXTABE, A. G., S. SHORT, T. FLOOF & A. FORD 2014. Pronounced and prevalent intersexuality does not impede the 'demon shrimp' invasion. ---- *Peer Journal*, e757 (The demon shrimp is *Dikerogammarus haemobaphes*.)

FAASSE, M., G. v. MOORSEL & W. LENGKEEK 2014. (The amphipod *Lysianassa ceratina* (Walker, 1889) in The Netherlands. ---- *Het Zeepaard* 74, 48-54. (In Dutch. Contains a key to Dutch lysianassoid genera. There is a good photograph of this species on the cover of this issue.)

FEDOSEEVA, E. V. & D. I. STOM 2015. Preference and avoidance reactions in some Baikalian amphipods and Holarctic *Gammarus lacustris* Sars, 1863 in response to a

humic-containing preparation. ---- *Inland Water Biology* (Biologiya Vnutrennikh Vod) 8, 130-135. (The Baikalian amphipods are *Gmelinoides fasciatus*, *Eulimnogammarus cyanus*, *E. vittatus* and *Ommatogammarus flavus*.)

FEINER, M., S. BEGGEL, N. JAEGER & J. GEIST 2014. Increased RO concentrate toxicity following application of antiscalants—Acute toxicity tests with the amphipods *Gammarus pulex* and *Gammarus roeseli*. ---- *Environmental Pollution*, 197, 309-312.

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FLÖTHER, C. L., M. MOLIS, I. KRUSE, F. WEINBERGER & U. JOHN 2014. Herbivore-induced defence response in the brown seaweed *Fucus vesiculosus* (Phaeophyceae): temporal patterns and gene expression. ---- *European Journal of Phycology*, 49, 356-369.

FOLEY, C. J., G. J. BOWEN, T. F. NALEPA, M. S. SEPULVEDA & T. O. HÖÖK 2014. Stable isotope patterns of benthic organisms from the Great Lakes region indicate variable dietary overlap of *Diporeia* spp and dreissenid mussels. ---- *Canadian Journal of Fisheries and Aquatic Sciences*, 71, 1784-1795.

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FRANCIS, F. T.-Y., K. FILBEE-DEXTER & R. E. SCHEIBLING 2014. Stalked tunicates *Boltenia ovifera* form biogenic habitat in the rocky sublittoral of Nova Scotia. ---- *Marine Biology*, 161, 1375-1383.

FUKUNAGA, A., K. A. PEYTON & F. I. M. THOMAS 2014. Epifaunal community structure and ammonium uptake compared for the invasive algae, *Gracilaria salicornia* and *Acanthophora specifera*, and the native alga, *Padina thivyi*. ---- *Journal of Experimental Marine Biology and Ecology* 456, 78-86.

GALIL, B. S., F. BOERO, M. L. CAMPBELL, J. T. CARLTON, E. COOK, S. FRANCHETTI, S. GOLLASCH, C. L. HEWITT, A. JELMERT, E. MACPHERSON, A. MARCHINI, C. MCKENZIE, D. MINCHIN, A. OCCHIPINTI-AMBROGI, H. OJAVEER, S. OLENIN, S. PIRAIMA & G. M. RUIZ 2014. 'Double trouble': the expansion of the Suez



Canal and marine bioinvasions in the Mediterranean Sea. ---- *Biological Invasions*, 17, 973-976.

GALIPAUD, M., L. BOLLACHE, A. OUGHADOU & F.-X. DECHAUME-MONCHARMONT 2014. Males do not always switch females when presented with a better reproductive option. ---- *Behavioral Ecology*, 26, 359-366. (Studies on *Gammarus pulex*)

GALIPAUD, M., L. BOLLACHE, R. WATTIER, C. DUBREUIL, F.-X. DECHAUME-MONCHARMONT & C. LAGRUE 2015. Overestimation of the strength of size-assortative pairing in taxa with cryptic diversity: a case of Simpson's paradox. ---- *Animal Behaviour* 102, 217-221. (Studies on the *Gammarus pulex/fossarum* complex.)

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GALVAN-VILLA, C. M. & M. AYON-PARENTE 2015. *Caprella suprapiscis* sp. nov. (Crustacea: Amphipoda: Caprellidae) from the Pacific coast of Mexico. ---- *Zootaxa* 3956, 569-578. (This species (from Bahia Chamelas, Isla Cocina) lives on the back of the scorpionfish *Scorpaena mystes* in shallow water.)

GASCA, R. & M. del C. FRANCO-GORDO 2014. (Amphipoda Hyperiidea of the south coasts of Jalisco and Colima). ----- Inventario di biodiversidad de la costa sur de Jalisco y Colima 1, 69-77. (In Spanish)

GASCA, R., R. HOOVER & S. H. D. HADDOCK 2014. New symbiotic associations of hyperiid amphipods (Peracarida) with gelatinous zooplankton in deep waters off California. ---- *Journal of the Marine Biological Association UK*, 95, 503-511. (51 different associations are described, including some concerning *Vibilia* spp and salps)

GERGS, R., M. KOESTER, R. S. SCHULZ & R. SCHULZ 2014. Potential alteration of cross-ecosystem resource subsidies by an invasive macroinvertebrate: implications for the terrestrial food web. ---- *Freshwater Biology*, 59, 2640-2655. (*Dikerogammarus villosus*)

GERWING, T. G., D. DROLET, M. A. BARBEAU, D. J. HAMILTON & A. M. ALLEN GERWING 2015. Resilience of an intertidal infaunal community to winter stresses. ---- *Journal of Sea Research* 97, 40-49.

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GOMES, V, M. J. A. C. R. PASSOS, A. J. S. ROCHA, T.C. A. SANTOS, F. M. HASSAN & V. N. PHAN 2014. Oxygen consumption and ammonia excretion of the Antarctic amphipod *Bovallia gigantea* Pfeffer, 1888, at different temperatures and salinities. ---- *Brazilian Journal of Oceanography* 62, 315-321.

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GOTT, R. C., Y. LUO, Q. WANG & W. O. LAMP 2014. Development of a biopolymer nanoparticle-based method of oral toxicity testing in aquatic Invertebrates. ---- *Exotoxicology and Environmental Safety* 104, 226-230. (*Hyaella azteca* test animal)

GOUILLIEUX, B. & J.-C. SORBE 2015. *Elasmopus thalyae* sp. nov. (Crustacea: Amphipoda: Maeridae), a new benthic species from soft and hard bottoms of Arcachon Bay (SE Bay of Biscay). ---- *Zootaxa* 3905, 107-118.

GRÉMILLET, D., J. FORT, F. AMÉLINEAU, E. ZAKHAROVA, T. LE BOT, E. SALA & M. GAVRILO 2015. Arctic warming: nonlinear impacts of sea-ice and glacier melt on seabird foraging. ---- *Global Change Biology*, 21, 1116-1123. (*Apherusa glacialis* disappeared almost completely from the diet of Little Auks in Franz Josef Land between 1991 and 2013.)

GUBAN, P., L. WENNERSTRÖM, T. ELFWING, B. SUNDELIN & L. LAIKRE 2015. Genetic diversity in *Monoporeia affinis* at polluted and reference sites of the Baltic Bothnian Bay. ---- *Marine Pollution Bulletin*, 93, 245-249.

GUERRA-GARCIA, J. M., B. IAZAA & C. MEGINA 2014. Vertical distribution of caprellids (Crustacea: Amphipoda) associated to hydroids, with the first record of *Pseudoprotella inermis* for Morocco. ---- *Zoologia Baetica* 25, 63-71.

GUERRA-GARCIA, J. M., M. ROS & E. BAEZA-ROJANO 2015. Seasonal fluctuations and dietary analysis of fouling caprellids (Crustacea: Amphipoda) from marinas of southern Spain. ---- *Marine Biology Research* 11, 703-715.

GUTOW, L., J. BEERMANN, C. BUSCHBAUM, M. M. RIVADENEIRA & M. THIEL 2015. Castaways can't be choosers—Homogenization of rafting assemblages on floating seaweeds. ---- *Journal of Sea Research* 95, 161-171. (A North Sea study)

HADDAWAY, N. R., D. VIEILLE, R. J. G. MORTIMER, M. CHRISTMAS & A. M. DUNN 2014. Aquatic macroinvertebrate responses to native and non-native predators. ---- *Knowledge and management of Aquatic Ecosystems* 415-10 (i.a. *Gammarus pulex*)

HASENBEIN, S., R. E. CONNON, S. P. LAWLER & J. GEIST 2015. A comparison of the sublethal and lethal toxicity of four pesticides in *Hyaella azteca* and *Chironomus dilutus*. ---- *Environmental Science and Pollution Research*, in press.

HASENBEIN, S. M., J. D. TOFT, J. R. CORDELL, M. N. DETHIER & A. S. OGSTEN 2015. Shoreline armoring in an estuary constrains wrack-associated invertebrate communities. ---- *Estuaries and Coasts* 37, 1256-1268.

HENDRICKX, M. E. & M. AYON-PARENTE 2014. Two new species of deep-water Caprella (Peracarida, Amphipoda, Caprellidae) from the Pacific coast of Mexico collected during the TALUD XIV cruise, with a checklist of species of Caprellidae recorded for the eastern Pacific. ---- *Crustaceana* 87, 41-63. (*C. calderoni* n.sp. (from the sea urchin *Spatangus californicus*) and *C. mercedesae* n. sp. (from hydroids) both from the northern part of the central Gulf of California)

HENDRICKX, M. E., I. WINFIELD & M. ORTIZ 2014. New record of the deep water *Epimeria morronei* Winfield, Ortiz & Hendrickx (Amphipod, Gammaridea, Epimeriidae) in the East Pacific. ---- *Crustaceana* 87, 1699-1703.

HIKI, K. & F. NAKAJIMA 2014. *Toxicity of road dust under various salinities to an estuarine amphipod* *Grandidierella japonica*. ---- 13<sup>th</sup> International Conference on Urban Drainage, Sarawak, Malaysia, 7-12 September 2014, 8 pp

HODGSON, A. N., A. J. BOOTH, V. DAVID-ENGELBRECHT & T. O. HENNINGER 2014. Some life-history parameters of the non-native amphipod *Platorchestia platensis* (Talitridae) in a warm temperate South African estuary. ---- *Transactions of the Royal Society of South Africa* 69, 97-116.

HODSON, P. V., K. NORRIS, M. BERQUIST, L. M. CAMPBELL & J. J. RIDAL 2014. Mercury concentrations in amphipods and fish of the Saint Lawrence River (Canada) are unrelated to concentrations of legacy mercury in sediments. ---- *Science of the Total Environment* 494/495, 218-228.

HORION, S., J.-P. THOMÉ & E. GISMONDI 2015. Changes in antitoxic defense systems of the freshwater amphipod *Gammarus pulex* exposed to BDE-47 and BDE-99. ---- *Ecotoxicology* 24, 959-966.

HOSONI, T. 2014. Temperature explains reproductive dynamics in caprellids at different latitudes. ---- *Marine Ecology Progress Series* 511, 129-141. (*Caprella cristibrachium*, *C. danilevskii* and *C. scaura*.)

HOU, Z., B. SKET & S. LI 2014. Phylogenetic analyses of Gammaridea Crustacea reveal different diversification patterns among sister lineages in the Tethyan region. ---- *Cladistics* 30, 352-365. (An important paper, which in time also will lead towards taxonomic changes)

HUGHES, L. E. 2015. Ampithoidae and Maeridae amphipods from Timor-Leste (Crustacea: Peracarida). ---- *Records of the Australian Museum* 67, 83-108. (Deals with *Ampithoe atauro* n. sp., *Ceradocus serratus*, *Elasmopus alalo*, *E. hooheno*, *E. tibarensis* n. sp., *Linguimaera christorei* n. sp., *Mallacoota latibrachium*, *Parelasomopus cymatilis*, and *Quadrinemaera metinara* n. sp. . All material was collected along the north coast of Timor-Leste.)

HUGHES, L. E. & J. K. LOWRY 2015. Two new species of Lysianassidae Dana, 1849 from Australia: *Riwo zeidleri* and *Socarnella delectabilis* (Crustacea: Paracarida: Amphipoda). ---- *Zootaxa* 3936, 82-92. (Deals with *Riwo zeidleri* n. sp. (Marum Island, S. Austr.), *Socarnella bonnieri* and *S. delectabilis* n. sp. (Port Hedland, W. Austr.).)

HUGHES, L. E. & R. A. PEART 2015. Three new species of *Exampithoe* from Australia and New Zealand (Amphithoidae: Amphipoda: Crustacea). ---- *Zootaxa* 3918, 559-570. (Deals with *E. burrowwo* n. sp. (Port Jackson, NSW, Aus.), *E. taylori* n. sp. (Leigh, NZ) and *E. waratah* n. sp. (Walkerville, Vict., Aus). A key to Exampithoinae is provided.)



HUPALO, K, T. REWICZ, K. BACELA-SPYCHALSKA, A. KONOPACKA & M. GRABOWSKI 2014. First record of the killer shrimp, *Dikerogammarus villosus* (Sowinsky, 1894), in the Vah River, Slovakia. ---- *Lauterbornia* 77, 9-13.

HUTCHINS, B. T., B. F. SCHWARTZ & W. H. NOWLIN 2014. Morphological and trophic specialization in a subterranean amphipod assemblage. ---- *Freshwater Biology* 59, 2447-2461. (Data from the Edwards Aquifer, Texas, where seven amphipod species coexist.)

INGERSOLL, C. G., J. L. KUNZ, J. P. HUGHES, N. WANG, D. S. IRELAND, D. R. MOUNT, J. R. HACKETT & T. W. VALENTI 2015. Relative sensitivity of an amphipod *Hyalella azteca*, a midge *Chironomus dilutus*, and a unionid mussel *Lampsilis siliquoidea* to a toxic sediment. ---- *Environmental Toxicology and Chemistry* 34, 1134-1144.

IHTIMANSKA, M., E. VARADINOVA, S. KAZAKOV, R. HRISTOVA, S. NAUMOVA & L. PEHLIVANOV 2014. Preliminary results about the distribution of macrozoobenthos along the Bulgarian stretch of the Danube River with respect to loading of nutrients, heavy metals and arsenic. ---- *Acta Zoologica Bulgarica, Suppl.* 7, 165-171.

IRONSIDE, J. E. & J. ALEXANDER 2015. Microsporidian parasites feminize hosts without paramyxean co-infection: support for convergent evolution of parasitic feminization. ---- *International Journal for Parasitology* 45, 427-433. (Studies on *Gammarus duebeni*.)

ISHIDA, T., T. SAWAHATA, G. KANAYA & D. HAYASAKA 2015. Population dynamics of two sympatric sandhoppers (*Trinorchestia* species) (Amphipoda, Talitridae) on the Pacific coast of northern Tohoku after the 2011 Tohoku-oki tsunami. ---- *Crustaceana* 88, 511-521. (*T. longiramus* and *T. trinitatis*)

JACHOWICZ, D., O. B. BRODNICKE, A. HANSEN & R. E. THOMASSEN 2014. *An investigation of the uptake of zinc in a freshwater amphipod (Gammarus pulex) in binary mixtures with cadmium and copper.* ---- Semester project, Roskilde University, 66 pp (Not seen)

JÄNES, H., J. KOTTA & K. HERKÜL 2015. High fecundity and predation pressure of the invasive *Gammarus tigrinus* cause decline of indigenous gammarids. ---- *Estuarine, Coastal and Shelf Science*, in press.

JANSSEN, A., S. KAISER, K. MEISZNER, N. BRENKE, L. MENOT & P. MARTINEZ ARBIZU 2015. A reverse taxonomic approach to assess macrofaunal distribution patterns in abyssal Pacific polymetallic nodule fields. ---- *Plos One* 10 (2), e0117790.

JAVIDMEHR, A., P. H. KASS, L. A. DEANOVIC, R. E. COMMON & I. WERNER 2015. 10-Day survival of *Hyalella azteca* as a function of water quality parameters. ---- *Ecotoxicology and Environmental Safety* 115, 250-256.

JAZDZEWSKA, A. 2014. Kuril-Kamchatka deep sea revisited—insights into the amphipod abyssal fauna. ---- *Deep-Sea Research II* 111, 294-300.

JERMACZ, L., A. DZIERZYNSKA, M. POZNANSKA & J. KOBAC 2015. Experimental evaluation of preferences of an invasive Ponto-Caspian gammarid *Pontogammarus robustoides* (Amphipoda, Gammaroidea) for mineral and plant substrata. ---- *Hydrobiologia* 746, 209-221.

JELASSI, R., D. BOHLI-ABDERRAZAK, A. AYARI & K. NASRI-AMMAR 2015. Endogenous activity rhythm in *Talitrus saltator*, *Britorchestia brito* (Crustacea, Amphipoda) and *Tylos europaeus* (Crustacea, Isopoda) from Barkoukech beach (Tabarka, Tunisia). ---- *Biological Rhythm Research*, in press.

JELASSI, R., M. FADHET BOUSLAMA, H. KHEMAISSIA & K. NASRI-AMMAR 2014. Population structure and dynamics of *Orchestia montagui* (Crustacea: Amphipoda) in the Bizerte lagoon (northern Tunisia). ---- *Italian Journal of Zoology* 82, 101-111.

JERMACZ, L., A. DZIERZYNSKA, M. POZNANSKA & J. KOBAC 2015. Experimental evaluation of preferences of an invasive Ponto-Caspian gammarid *Pontogammarus robustoides* (Amphipoda, Gammaroidea) for mineral and plant substrata. ---- *Hydrobiologia* 746, 209-221.

JOHANSEN, P.-O. & W. VADER 2015. New and little known species of *Lepechinella* (Crustacea, Amphipoda, Lepechinellidae) and an allied new genus *Lepesubchela* from the North Atlantic. ---- *European Journal of Taxonomy* 127, 1-35 (Deals with *Lepechinella arctica*, *L. norvegica* n. sp. (Teistengrunnen, N. Norway), *L. schellenbergi* (revived), *L. victoriae* n. sp. (Norwegian Arctic, 83°N, 2350m), and *Lepesubchela christinae* n. gen., n. sp. (N. Atlantic, N. of Rockall, 1414m). Keys to lepechinellid genera and to Atlantic and Arctic *Lepechinella* species are provided

JONG, M. F. de, M. J. BAPTIST, H. J. LINDEBOOM & P. HOEKSTRA 2015. Relationships between macrozoobenthos and habitat characteristics in an intensively used area of the Dutch coastal zone. --- *ICES Journal of Marine Science*, in press

JUNG, T. W. & S. M. YOON 2015. A new species and new record of the Kamakidae (Crustacea: Amphipoda) from Korea. ---- *Zootaxa* 3915, 356-374. ( Deals with *Kamaka excavata* and *K. rostra* n. sp. (Hampyeong-gun, Jeollanam-do ). A key to all *Kamaka* species is provided.)

KAIM-MALKA, R. A. 2014. New Lysianassoid amphipods from the North Eastern Atlantic Ocean. ---- *Zootaxa* 3821, 551-566. (Deals with *Ambasia anophthalma* n. sp. (Bay of Biscay, 1460m) and *Bathymaryllis biscayensis* n. sp. (Bay of Biscay, 1460m). A key to *Bathymaryllis* spp is provided).

KARAMAN, G. S. 2014. New data on *Niphargus boskovici* S. Karaman and some other gammaridean amphipods from the western Balkans (Contribution to the knowledge of the Amphipoda 279). ---- *Biologia Serbica* 36, 39-54

KATSANEVAKIS, S., I. WALLENTINUS, A. ZENETOS, E. LEPPÄKOSKI, M. E. CINAR, B. ÖZTÜRK, M. GRABOWSKI, D. GOLANI & A. C. CARDOSO 2014. Impacts of marine species on ecosystem services and biodiversity: a pan-European review. ---- *Aquatic Invasions* 9(4), 391-423 .

KEDRA, M., C. MORITZ, E. S. CHOY, C. DAVID, R. DEGAN, S. DUERKSEN, I. ELLINGSEN, B. GORSKA, J. M. GREBMEIER, D. KIRIEVSKAYA, D. van OEVELEN, K. PIWOSZ, A. SAMUELSEN & J. M. WESLAWSKI 2015. Status and trends in the structure of Arctic benthic food webs. ---- *Polar Research* 34, in press.

KERSKEN, D., C. GÖCKE, A. BRANDT, F. LEJZEROWICZ, . SCHWABE, M. A. SEEFELDT, G. VEIT-KÖHLER & D. JANUSSEN 2014. The infauna of three widely distributed sponge species (Hexactinellida and Demospongiae) from the deep Ekström shelf in the Weddell-sea , Antarctica. ---- *Deep-Sea Research II*, 108, 101-112.

KILGALLEN, N. M. 2014. Three new species of *Hirondellea* (Crustacea, Amphipoda, Hirondelleidae) from hadal depths of the Peru-Chile trench. ---- *Marine Biology Research* 11, 34-48. (Deals with *H. sonne* n. sp. (17°25'S, 73°37'W, 7050m), *H. thurstoni* n. sp (23°22'S, 71°20'W, 8072m) and *H. wagneri* n. sp. (7°48'S, 81°17'W, 6173m). A key to all *Hirondellea* spp is provided)

KILGALLEN, N. M- & J. K. LOWRY 2015. The genus *Hippomedon* in Australian waters (Crustacea, Amphipoda, Lysianassidae, Tryphosinae). ---- *Zootaxa* 3926, 377-395. (Deals with *H. geelongi*, *H. hippolyte* n. sp. (Fortescue Bay, Tasmania), *H. rodericki*, and *H. tourville* n. sp. (Cape Tourville, Tasmania).)

KILGALLEN, N. M. & J. K. LOWRY 2015. A review of the scopelocheirid amphipods (Crustacea, Amphipoda, Lysianassoidea), with the description of new taxa from Australian waters. ---- *Zoosystematics & Evolution* 91, 1-43. (Deals with the Scopelocheiridae, with two new subfamilies, the Scopelocheirinae and the Paracallisominae. A key to the genera is provided. *Aroui onagawae* is transferred from *Scopelocheirus*. *Paracallisomopsis baljaevi* is redescribed, as is *Scopelocheirus crenatus*. The new genus *Austrocallisoma* (Paracallisominae) is erected for *A. jerryi* n. gen., n. sp. from deep water off Sydney, 1800m. *Bathycallisoma pacifica* is illustrated and shown to be a junior synonym of *B. schellenbergi*. *Eucallisoma glandulosa* is illustrated, as is *Paracallisoma alberti*. New species are *P. woolgoolga* (Coffs Harbour, NSW) and *P. zivianii* (Flynn Reef, Queensland). Also *Scopelocheiropsis abyssalis* is illustrated, and a new genus *Tayabasa* n. gen., is erected for *Eucallisoma barnardi*.)

KIM, J.-H., A. JAZDZEWSKA, H.-G. CHOI & W. KIM 2014. The first report on Amphipoda from Marian Cove, King George Island, Antarctic. ---- *Oceanological and Hydrobiological Studies* 43, 106-113. (Twenty-two spp, among which six were new for Maxwell Bay.)

KOBAC, J., Ł. JERMACZ & A. DZIERŻYŃSKA-BIAŁOŃCZYK 2015. Substratum preferences of the invasive killer shrimp *Dikerogammarus villosus*. ---- *Journal of Zoology*. in press doi:10.1111/jzo.12252

KOESTER, M. & R. GERGS 2014. No evidence for intraguild predation of *Dikerogammarus villosus* (Sowinsky, 1894) at an invasion front in the Untere Lorze, Switzerland. ---- *Aquatic Invasions* 9, 489-497.

KONOPACKA, A., K. HUPALO, T. REWICZ & M. GRABOWSKI 2014. Species inventory and distribution patterns of freshwater amphipods in Moldova. ---- *North Western Journal of Zoology* 10 (2), 382-392.

KOOPS, M. A., M. MUNAWAR & L. G. RUDSTAM 2015. The Lake Ontario ecosystem: An overview of current status and future directions. ---- *Aquatic Ecosystem Health & Management*, 18, 101-104.

KRAFT, A., M. GRAEVE, D. JANSSEN, M. GREENACRE & S. FALK-PETERSEN 2015. Arctic pelagic amphipods: lipid dynamics and life strategy. ---- *Journal of Plankton Research*, in press (Three *Themisto* species and *Cyclocaris guilelmi*.)

KRAMER, M. J., D. R. BELLWOOD & O. BELLWOOD 2014. Benthic Crustacea on coral reefs: a quantitative survey. ---- *Marine Ecology Progress Series* 511, 105-116 (A study from Lizard Island, Great Barrier Reef)

KRAPP-SCHICKEL, T. 2015. Minute but constant morphological differences within members of Stenothoidae: the *Stenothoe gallensis* group with four new members, keys to *Stenothoe* worldwide, a new species of *Parametopa* and *Sudanea* n. gen. (Crustacea: Amphipoda). ---- *Journal of Natural History*, in press (Deals with *Stenothoe gallensis*, *S. cattai* (rev.), *S. crenulata* (rev.), *S. dentirama*, *S. andamanensis* n. sp. (Havelok, Andaman Islands), *S. clavetta* n. sp. (Bermuda), *S. himyara* n. sp. (Port Sudan), *S. senegalensis* n. sp. (Dakar, Senegal), *S. valida*, *S. aucklandica*, *S. macrophthalma* and *S. verrucosa*.. Keys to *Stenothoe* from different parts of the world are provided. Moreover, also described are *Parametopa gorea* n. sp. (Gorée, Senegal), with a key to *Parametopa*, and *Sudanea inopinata* n. gen., n. sp. from Port Sudan.)

KRAPP-SCHICKEL, T., V. HÄUSSERMANN & W. VADER 2015. A new *Stenothoe* species (Crustacea: Amphipoda: Stenothoidae) living on *Boloceroopsis platei* (Anthozoa: Actiniaria) from Chilean Patagonia. ---- *Helgoland Marine Research* 69, 213-220. (*Stenothoe boloceroopsis* n. sp. from Chiloe Island, Chile.)

KRAPP-SCHICKEL, T. & S. LO BRUTTO 2015. Two new Mediterranean *Stenothoe* (Crustacea, Amphipoda) from the coast of Israel. ---- *Marine Biodiversity Records* 8, e84, 5 pp. (*S. bella* n. sp. and *S. levantina* n. sp, both collected near Ashdod in shallow water.)

KRAPP-SCHICKEL, T. & B. SKET 2015. *Melita mirzajanii* n. sp. (Crustacea, Amphipoda: melitidae), a puzzling new member of the Caspian fauna. ---- *Zootaxa* 3948, 248-262. (from the harbor of Bandar-e-Anzali, Iran. Contains a key to those species of *Melita* that lack dorsal teeth and a second article on U3.)

KRUSE, S., E. A. PAKHOMOV, B. P. V. HUNT, Y. CHIKARAISHI, N. O. OGAWA & U. BATHMANN 2015. Uncovering the trophic relationship between *Themisto gaudichaudii* and *Salpa thompsoni* in the Antarctic Polar Frontal Zone. ---- *Marine Ecology Progress Series* 529, 63-74. (*Themisto* is a predator on *Salpa*.)

KUTSCHERA, V., A. MAAS, G. MAYER & D. WALOSZEK 2015. Calcitic sclerites at base of malacostracan pleopods (Crustacea)—part of coxa. ---- *BMC Evolutionary Biology* 15:117. doi:10.1186/s12862-015-0357-6 (i.a. *Dikerogammarus haemobaphes* and *Hyperia* sp.)

LABAY, V. S. 2014. Review of amphipods of the *Melita* group (Amphipoda: Melitidae) from the coastal waters of Sakhalin Island (Far East of Russia). II. Genera *Quasimelita* Jarrett & Bousfield, 1996 and *Melitoides* Gurjanova, 1934. ---- *Zootaxa* 3869, 237-280.



(This beautiful paper deals with *Quasimelita formosa*, *Q. quadrispinosa*, *Q. tolyza* n. sp. (NE shelf of Sakhalin Island), *Q. jarettii* n. sp. (a misprint for *jarrettii*?)(Chikhacheva Bay, Tatar Strait), *Q. serraticoxae* (NE shelf of Sakhalin Island), and *Melitoides kawaii* n. sp. (also NE shelf of Sakhalin Island). Keys to *Quasimelita* and *Melitoides* are provided, and the relationships of these genera analyzed.)

LACERDA, M. B. & S. MASUNAKI 2014. A new species of *Paracaprella* Mayer, 1890 (Amphipoda: Caprellida: Caprellidae) from southern Brazil. ---- *Zootaxa* 3900, 437-445. (*P. dubiaski* n. sp. from Bombinhas, Santa Catarina State, Brazil. With a key to all *Paracaprella*.)

LAGRUE, C., R. WATTIER, M. GALIPAUD, Z. GAUTHIER, J.-P. RULLMANN, C. DUBREUIL, T. RIGAUD & L. BOLLACHE 2014. Confrontation of cryptic diversity and mate discrimination within *Gammarus pulex* and *Gammarus fossarum* species complexes. ---- *Freshwater Biology* 59, 2555-2570. (High cryptic diversity is found in these two species, and also some degree of mate discrimination. However, precopulatory pairs of specimens from different MOTU's occur regularly and lead to successful mating.)

LAHIVE, E., J. O'HALLORAN & M. A. K. JANSEN 2014. A marriage of convenience: a simple food chain comprised of *Lemna minor* (L.) and *Gammarus pulex* (L.) to study the dietary transfer of zinc. ---- *Plant Biology*, 12, 75-81.

LASTRA, M., J. LOPEZ & G. NEVES 2014. Algal decay, temperature and body size influencing trophic behavior of wrack consumers in sandy beaches. ---- *Marine Biology* 162, 221-223. (A study from NW Spain.)

LAVERTY, C., J. T. A. DICK, M. E. ALEXANDER & F. E. LUCY 2014. Differential ecological impacts of invader and native predatory freshwater amphipods under environmental change are revealed by comparative functional responses. ---- *Biological Invasions* 17, 1781-1770. (The native species is *Gammarus duebeni celticus*, the invader *Gammarus pulex*.)

LAWLESS, A. S. & R. D. SEITZ 2014. Effects of shoreline stabilization and environmental variables on benthic infaunal communities in the Lynnhaven River system of Chesapeake Bay. ---- *Journal of Experimental Marine Biology and Ecology* 457, 41-50.

LE, Q. N., M. FUJII, C. YOSHIMURA & K. TUCKNER 2015. Dissolved nitrogen release from coarse and amphipod-produced fine particulate organic matter in freshwater column. ---- *Limnology*, in press.

LEBRUN, J. D., O. GEFFARD, N. URIEN, A. FRANCOIS, E. UHER & L. C. FECHNER 2015. Seasonal variability and inter-species comparison of metal bioaccumulation in caged gammarids under urban diffuse contamination gradient: Implications for biomonitoring investigations. ---- *Science of the Total Environment* 511, 501-508.

LEBRUN, J. D., D. LEROY, A. GIUSTI, C. COURLAY-FRANCÉ & J.-P. THOMÉ 2014. Bioaccumulation of polybrominated diphenyl ethers (PBDEs) in *Gammarus pulex*: Relative importance of different exposure routes and multipathway modeling. ---- *Aquatic Toxicology* 154, 107-113.

LEBRUN, J. D., E. UHER, M.-H. TUSSEAU-VUILLEMIN & C. GOURLAY-FRANCÉ 2014. Essential metal contents in indigenous gammarids related to exposure levels at the river basin scale: Metal-dependent models of bioaccumulation and geochemical correlations. ---- *Science of the Total Environment* 466/467, 100-108.

LECOINTRE, G., N. AMÉZIAU, M.-C. BOISSELIÉ, C. BONILLO, F. BUSSAN, R. CAUSSE, A. CHENUIL, A. COULOUX, J.-P. COUITANCEAU, C. CRUAQUÉ, C. d'UDEKEM d'ACOS, C. DE RIDDER, G. DENYS, A. DETTAI, G. DUHAMEL, M. ELÉAUME, J.-P. FÉRAL, C. ALLUT, C. HAVERMANS, C. HELD, L. HEMERY, A.-C. LAUTRÉDOC, P. MARTIN, C. OZAUF-COSTAZ, B. PIERROT, P. PRUVOST, N. PUIILLANDRE, S. SAMAD, T. SAUCÈDE, C. SCHUBART & B. DAVID 2013. Is the species flock concept operational? The Antarctic Shelf case. --- *Plos One* 8(8), e 68787.

LEDUC, D., A. A. ROWDEN, L. G. TORRES, S. D. NODDER & A. PALLENTIN 2015. Distribution of macro-infaunal communities in phosphorite nodule deposits in Chatham Rise, southwest Pacific: implications for management of seabed mining. ---- *Deep-Sea Research I* 98, 105-118.

LEITÃO, F., J. ENCARNACÃO, P. RANGE, R. M. SCHMELZ, M. A. TEODOSIO & L. CHICHARO 2015. Submarine groundwater discharges create unique benthic communities in a coastal sandy marine environment. ---- *Estuarine, Coastal and Shelf Science* 163, in press.

LERCARI, D. & O. DEFEO 2015. Large-scale dynamics of sandy beach ecosystems in transitional waters of the Southwestern Atlantic Ocean: Species turnover, stability and spatial synchrony. ---- *Estuarine, Coastal and Shelf Science* 159, 184-193.

LÉVESQUE, D., A. CATTANEO & C. HUDON 2015. Benthic cyanobacterial mats serve as a refuge and food for the amphipod *Gammarus fasciatus*. ---- *Hydrobiologia*, in press.

LI, S., L. K. WALLIS, H. MA & S. A. DIAMOND 2014. Phototoxicity of TiO<sub>2</sub> nanoparticles to a freshwater benthic amphipod: Are benthic systems at risk? ---- *Science of the Total Environment* 466-467, 800-808. (*Hyalella azteca*.)

LIM, J. H. C., B. H. R. OTHMAN & I. TAKEUCHI 2015. Description of *Orthoprotella bicornis*, new species, and *Paraprotella teluksuang*, new species (Crustacea: Amphipoda) from Johor, Malaysia with special references to unusual sexual bias towards females in *Paraprotella*. ---- *Raffles Bulletin of Science* 63, 33- 48. (With keys to all *Orthoprotella* and *Paraprotella* species. No males of *P. teluksuang* were found among 360 females.)

LÖF, M., B. SUNDELIN, C. BANDH & E. GOROKHOVA 2015. Embryo aberrations in the amphipod *Monoporeia affinis* as indicators of toxic pollutants in sediments: A field evaluation. ---- *Ecological Indicators* 60, 18-30.

LOURIDO, A., S. PARRA & F. SANCHEZ 2014. A comparative study of the macrobenthic infauna of two bathyal Cantabrian Sea areas. The Le Danois Bank and the Aviles Canyon system (S. Bay of Biscay). ---- *Deep-Sea Research II* 106, 141-150.

LOWRY, J. K. & N. M. KILGALLEN 2014. New tryphosine amphipods from Australian waters (Crustacea, Amphipoda, Lysianassoidea, Lysianassidae, Tryphosinae). ---- *Zootaxa* 3844, 1-64. (Deals with *Cedrosella fomes*, *C. cito* n. sp. (Point Hicks, Vic., 1840m), *Lysianella petalocera* (Norwegian material), *L. lui* n. sp. (SSE of Nowra, NSW, 1000m), *L. moonamoon* n. sp. (Jervis Bay, NSW), *Microlysias xenokeras* (S. African material), *M. soela* n. sp. (North West Shelf, W. Aus.), *Paralysianopsis odhneri* (S. Georgia), *P. capricornia* n. sp. (Fitzroy Reef, Qld), *P. dandenong* n. sp. (Jervis Bay, NSW), *P. elliotti* (transferred from *Rhinolabia*), *P. cf jebbi*, *P. pomona* n. sp. (Point Hicks, Vic.), *P. ruffoi* n. sp. (Darwin, NT), *Patonga* new genus, erected for *P. nona* n. sp. (Long Reef Point, NSW), *Tasmanosa* new genus, erected for *T. tasman* n. sp. (Tasman Sea, Tas., 1000m) and *T. toogooloo* n. sp. (Long Reef Point, NSW), *Tryphosites longipes* (Norwegian material), *T. calmani* n. sp. (Long Reef Point, NSW), and *T. psittacus* n. sp. (Broken Bay, NSW).)

LOWRY, J. K. & N. M. KILGALLEN 2014. A generic review of the lysianassid family Uristidae and descriptions of five new taxa from Australian waters (Crustacea, Amphipoda, Uristidae). ---- *Zootaxa* 3867, 1-92. (This important review deals with all uristid genera: *Abyssorchomene*, where the present authors keep *A. plebs* and *A. rossi* (contra d'Udekem d'Acoz & Havermans). A key to the genus is provided. *A. distinctus* and *A. gerulicorbis* (transferred from *Orchomenella*) are discussed. In the genus *Anonyx*, *A. nugax* is illustrated, while *A. lebedi* is removed to *Tmetonyx* and 3 other Gurjanova species are considered incertae sedis. *Caeconyx caeculus*, *Cicadosa cicadoidea*, *Eclecticus eclecticus* and *Des griffini* n. gen. n. sp. (Broken Bay, NSW, Austr.) are fully illustrated. The genus *Euonyx* is reviewed, and *E. conicurus* is considered incertae sedis. *E. chelatus* is fully illustrated, and *E. urania* n. sp. (Broken Bay, NSW, Austr.) and *E. xarifa* n. sp. (Cape York, Qld, Austr.) are described. A key to *Euonyx* is provided. *Galatheella galatheae*, *Gippisia jonesae*, and *Ichnopus taurus* are illustrated, as is *Koroga megalops*, which is recorded for the first time in Australia. *Kyska dalli*, *Menigrates obtusifrons* and *Menigratopsis svennilsoni* are illustrated, as are *Nagada uwedoeae*, *Onisimus edwardsi* and *Paralibrotus setosus*. The genus *Parschisturella* is reviewed and *P. simplex*, *P. martrudan* n. sp. (Broken Bay, NSW, Austr.), *P. medora* n. sp. (S. of Point Hicks, Vic., Austr.) and *P. pilot* n. sp. (near Cape Sorell, Tasm., Austr.) are described and illustrated. In the genus *Stephonyx*, *S. biscayensis* is illustrated, as are *S. arabiensis* (new for Australia) and *S. pirloti*, while *S. rafaelli* n. sp. was found off Wollongong, NSW, Austr.. *Tmetonyx cicada* is illustrated, while in the genus *Uristes* most species are removed: *U. personis* to *Cedrosella*, *U. abyssalis* tentatively to *Gronella*, *U. barbatipes* to *Tasmanosa*, *U. serratus* and *U. yamana* to a new uristid genus, *U. velia* to *Cheirimedon*, and *U. adarei*, *U. antennibrevis*, *U. californicus*, *U. mediator*, *U. stebbingi* and *U. sulcus* all to *Tryphosella*. This leaves only *U. gigas* and *U. subchelatus* in the genus *Uristes* and these two are illustrated. Finally, also *Ventiella sulfuris* is illustrated.)

LOWRY, J. K. & N. M. KILGALLEN 2015. *Debroyerella* gen. nov. and *Ulladulla* gen. nov., two new lysianassoid genera (Crustacea, Amphipoda, Lysianassoidea). ---- *Zootaxa* 3920, 153-162. (The genus *Debroyerella* (Uristidae) is erected for *Cheirimedon similis* (type), *Ch. fougneri* and *Ch. solidus*. The genus *Ulladulla* (Tryphosinae) is erected for *U. selje* n. sp. (Cape Otway, Victoria, Aus.))

LOWRY, J. K. & F. MOMTAZI 2015. *Talorchestia qeshm* sp. nov., a new talitrid from the Persian Gulf (Amphipoda, Talitridae). ---- *Zootaxa* 3985, 432-439. (From Qeshm Island, S. Persian Gulf, Iran)

LOWRY, J. K. & R. T. SPRINGTHORPE 2015. The tropical talitrid genus *Floresorchestia* (Crustacea, Amphipoda, Talitridae). ---- *Zootaxa* 3935 (1), 1-68. (This monograph describes and illustrates *F. andrevo* n. sp. (Madagascar= *Orchestia anomala* s. Ledoyer, 1972), *F. anomala*, *F. floresiana*, *F. itampolo* n. sp. (Itampolo, Madagascar), *F. kalili* n. sp. (New Ireland, Bismarck Archipelago; = *O. anomala* s. Bousfield, 1971), *F. laurenae* n. sp. (Timor-Leste), *F. malayensis*, *F. oluanpi* n. sp. (Taiwan), *F. papeari* n. sp. (Tahiti), *F. serejoae* (Cooktown, Queensland), *F. seringat* n. sp. (Lazarus island, Singapore), *F. thienemanni* (transferred from *Orchestia*), *F. yap* n. sp. (Yap, Micronesia), *F. sp* 1, 2 and 3. A key to adult males is provided.)

LOWRY, J. K. & R. SPRINGTHORPE 2015. Coastal Talitridae (Amphipoda: Talitroidea) from north-western Australia to Darwin with a revision of the genus *Cochinorchestia* Lowry & Peart, 2010. ---- *Zootaxa* 3985, 151-202. (Deals with *Australorchestia tantabiddyensis* n. sp. (Tantabiddy Rockholes Cave, NW Cape Peninsula, W. Austr.), *Cochinorchestia lindsayae* n. sp. (Darwin, NT), *C. metcalfeae* n. sp. (Darwin, NT), *C. morini* (transferred from *Parorchestia*), *C. morrumbene* n. sp. (Morrumbene estuary, S. Mozambique), *C. notabilis*, *C. poka* n. sp. (Ambon, Indonesia), *C. tulear* n. sp. (Tuléar, Madagascar), *C. sp.* (Vietnam), *Floresorchestia limicola* (transferred from *Chelorchestia*), *Microschestia ntensis* n. sp. (Port Keats, NT), *Talorchestia dampieri* n. sp. (King Sound, W. Austr.), *Tropicorchestia derbyensis* n. gen., n. sp. (Derby, W. Austr.) and *T. glasbyi* n. sp. (Darwin, NT). A key to *Cochinorchestia* spp is provided.)

LUCIC, A., M. PAUNOVIC, J. TOMOVIC, S. KAVACEVIC, K. ZORIC, V. SINIC, A. ATANCKOVIC, V. MARKOVIC, M. KRACUN-KOLAREVIC, S. HUDINA, J. LAJTNER, S. GOTTSTEIN, D. MILOSEVIC, S. ANDUS, K. ZGANEC, M. JAKLIC, T. SIMONIC & M. VILENICA 2014. *Aquatic macroinvertebrates of the Sava River*. ---- PP.335-359 in The Sava River. The Handbook of Environmental Chemistry 31. (Not seen)

LYUBINA, O. S., V. F. BRYAZGIN & S. V. RAZNOVSKAYA. The composition and distribution of benthic amphipods (Crustacea: Amphipoda) in the southern Barents Sea. ---- *Russian Journal of Marine Science* 40, 241-254. (Data on 144 spp; a number of boreal spp are for the first time recorded from the area.)

MÄCHLER, E., K. DEINER, P. STEINMANN & F. ALTERMATT 2014. Utility of environmental DNA for monitoring rare and indicator macroinvertebrate species. ---- *Freshwater Science* 33, 1174-1183. (l. a. *Crangonyx pseudogracilis* and *Gammarus pulex*.)

MacNEIL, C. 2014. "The pump don't work, 'cause the vandals took the handles"; why invasive amphipods threaten accurate freshwater biological water quality monitoring. ---- *Management of Biological Invasions* 5 (3), 303-307.

MacNEIL, C. & J. T. D. DICK 2014. The enemy of my enemy is my friend: intraguild predation between invaders and natives facilitates coexistence with shared invasive prey. ---- *Biology Letters* 2014 10 20140398. (On the relations between the native *Gammarus duebeni celticus*, the older invader *Gammarus pulex*, and the more recent invader, *Crangonyx pseudogracilis*, in Ireland.)



MANENTI, R. 2014. Role of cave features for aquatic troglobiont fauna occurrence: effects on 'accidentals' and troglomorphic organisms distribution. ---- *Acta Zoologica Academia Scientiarum Hungaricae* 60, 257-270.

MARCHINI, A., J. FERRARIO, A. SFRISO & A. OCCHIPINTI-AMBROGI 2015. Current status and trends of biological invasions in the Lagoon of Venice, a hotspot of marine NIS introductions in the Mediterranean Sea. ---- *Biological Invasions*, in press. (*Caprella scaura* only amphipod)

MARTINEZ, K., D. BONE, A. CROQUER & A. LOPEZ-ORDAZ 2014. Population assessment of *Acropora palmata* (Scleractinia: Acroporidae) : relationship between habitat and reef associated species. ---- *Revista de Biología Tropical* 62, 85-93.

MATHERS, K.L., J. MILLETT, A. L. ROBERTSON, R. STUBBINGTON & P. J. WOOD 2014. Faunal response to benthic and hyporheic sedimentation varies with direction of vertical hydrological exchange. ---- *Freshwater Biology*, 59, 2278-2290. (Studies on *Gammarus pulex*.)

MAYZAUD, P. & M. BOUTOUTE 2015. Dynamics of lipid and fatty acid composition of the hyperiid amphipod *Themisto*: a bipolar comparison with special emphasis on seasonality. ---- *Polar Biology*, 38: 1049-1065. DOI:10.1007/s00300-015-1666-3

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PÖCKL, M. 2014. (Freshwater amphipods: declaration of love—self-reflection of a so-called 'specialist'.) ---- *Denisia* 33, 369-392. (In German. A moving and most interesting effort to explain why someone works all his life on this special group of animals.)

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ROS, M., M. VAZQUEZ-LUIS & J. M. GUERRA-GARCIA 2015. Environmental factors modulating the extent of impact in coastal invasions: the case of a widespread invasive caprellid (Crustacea: Amphipoda) in the Iberian Peninsula. ---- *Marine Pollution Bulletin*, in press. (*Caprella equilibra*)

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SANCHEZ-MOYANO, J. E., L. GARCIA-ASENCIO & J. M. GUERRA-GARCIA 2014. Littoral caprellids (Crustacea: Amphipoda) from the Mexican Central Pacific coast, with the description of four new species. ---- *Journal of Natural History* 49, 77-117. (Deals

with *Aciconula acanthosoma*, *Caprella equilibra*, *C. mendax*, *C. pitu* n. sp. (Isla de los Pajaros, Mazatlan, found on gorgonians), *Liropus isabelensis* n. sp. (Cerro Pelon, Isla Isabel), *Paracaprella carballoi* n. sp. (Isla de los Pajares, Mazatlan), and *Paracaprella isabelae* n. sp. (Las Monas, Isla Isabel).

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chemically deterrent macroalgae. ---- *Marine Biology* 162, 425-433. (*Gondogeneia antarctica*)

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SCHWABE, E., I. RATSCH, M. BLAZEWCZ-PASZKOWYCZ, N. BRENKE, A. V. CHERNYSHEV, N. O. ELSNER, V. FISCHER, A. JAZDZEWSKA, M. V. MALYUTINA, D. MILJUTIN, M. MILJUTINA, G. M. KAMENEV, I. KARANOVIC, A. MAIOROVA & L. WÜRZBERG 2014. Wood-associated fauna collected during the KuramBio-expedition in the North West Pacific. ---- *Deep-Sea Research II* 111, 276-388. (The amphipods found were 8 *Bathyceradocus* sp., 15 *Metaceradocus* sp. and a single female ischyrocerid.)

SCHWINDT, E., L. LOPEZ GAPPA, M. P. RAFFO, M. TATIAN, A. BORTOLUS, J. M. ORENSANZ, G. ALONSO, M. E. DIAZ, B. DOTI, G. GENZANO, C. LAGGER, G. LOVRICH, M. L. PIRIZ, M.M. MENDEZ, V. SAVOYA & M. CRUS SUENO 2014. Marine fouling invasions in ports of Patagonia (Argentina) with implications for legislation and monitoring programs. ---- *Marine Environmental Research* 99, 60-68.

SELTENRICH, N. 2015. New link in the food chain? Marine plastic pollution and seafood safety. ---- *Environmental Health Perspectives* 123, 34-41

SEMENCHENKO, V. P., M. O. SON, R. A. NOVITSKY, Y. V. KVATCH & V. E. PANOV 2015. Alien macroinvertebrates and fish in the Dnieper River Basin. ---- *Russian Journal of Biological Invasions* 6, 51-64.

SENNA, A. R., L. P. ANDRADE, L. P. CASTELO-BRANCO & R. L. FERREIRA 2014. *Spelaeogammarus titan*, a new troglobitic amphipod from Brazil (Amphipoda: Bogidielloidea: Artesiidae). ---- *Zootaxa* 3887, 55-67. (From a cave in St Maria de Vitoria, Bahia state); the animals can get up to 18 mm long! Table 1 compares all *Spelaeogammarus* species.)

SENNA, A., R. SORRENTINO, T. CHATTERJEE & N. V. SCHIZAS 2014. A new species of *Boca* Lowry & Stoddart, 1997 (Amphipoda: Lysianassoidea: Aristiidae) from a mesophotic coral ecosystem off Puerto Rico, Caribbean Sea. ---- *Zootaxa* 3884, 429-436. (*Boca gurui* n. sp. (Hole in Wall, Puerto Rico). A key to *Boca* spp is provided.)

SEREJO, C. S. 2014. A new species of Stilipedidae (Amphipoda: senticaudata) from the South NMid-Atlantic Ridge. ---- *Zootaxa* 3852, 133-140. (*Alexandrella setosa* n. sp from from the Walvis Ridge Sector, 4120m. With a key to all *Alexandrella* species.)

SERRANO-SANCHEZ, M. de L., T. A. HEGNA, P. SCHAAF, L. PEREZ, E. CENTENO-GARCIA & F. J. VEGA 2015. The aquatic and semiaquatic biota in Miocene amber from the Campo La Granja mine (Chiapas, Mexico). Palaeoenvironmental implications. ---- *Journal of South American Earth Sciences*, in press. (talitrids present)

SHEN, X., M. TIAN, B. YAN & K. CHU 2015. Phylomitogenomics of Malacostraca (Arthropoda: Crustacea). ---- *Acta Oceanologica Sinica* 34, 84-92. (i.a. 16 amphipod spp).

SHIN, M.-H., C. O. COLEMAN, J. S. HONG & W. KIM 2015. A new species of *Peramphithoe* (Amphipoda: Ampithoidae) from South Korea, with morphological diagnoses of the world congeneric species. ---- *Journal of Crustacean Biology* 33, 255-270. (*P. guryongensis* n. sp. from Guryong-po, SE Korea. With a key to world *Peramphithoe*, both males and females.)

SHORT, S., G. YANG, Y. GULER, A. G. EXTABE, P. KILLE & A. T. FORD 2015. Crustacean intersexuality is feminisation without de-masculinisation: implications for environmental toxicology. ---- *Environmental Science and Technology* 48(22), 13520-13529

SIDOROV, D. A. 2014. Towards the systematics of the subterranean amphipod genus *Niphargus* (Crustacea: Amphipoda: Niphargidae) of Transcaucasia: new records of *N. inermis* and *N. iniochus* in Abkhazia. ---- *Arthropoda Selecta* 23, 363-377. (The two species are completely redescribed.)

SIDOROV, D. A., A. A. GONTSCHARIV, D. M. PALATOV, S. J. TAYLOR & A. A. SEMENCHENKO 2015. Shedding light on a cryptic cavernicole: A second species of *Zenkevitchia* Birstein (Crustacea, Amphipoda, Typhlogammaridae) discovered via molecular techniques. ---- *Subterranean Biology* 15, 37-55. (*Z. jakovi* Sidorov n. sp. (Gultipshi district, Abkhazia, Caucasus); the species is morphologically almost identical to *Z. admirabilis*, but molecularly clearly different.)

SIDOROV, D. A. & A. A. GONTCHAROV 2015. Preliminary analysis of phylogenetic relationships of the Asian-Pacific endemial subterranean amphipod genus *Pseudocrangonyx* among families and genera of Crangonyctoidean amphipods by partial LSU rDNA gene sequences. ---- *Zoological Science* 32, 178-182. (The *Pseudocrangonyctidae* are closely related to the *Crymostygidae*)

SIDOROV, D. A. & O. A. KOVTUN 2015. *Synurella odessana* sp. n. (Crustacea, Amphipoda, Crangonyctidae), first report of a subterranean amphipod from the catacombs of Odessa and its zoogeographic importance. ---- *Subterranean Biology* 15, 11-27.

SIQUEIRA, A. G. L. & C. S. SEREJO 2014. *Cheirimedon foscae* sp. nov. (Amphipoda: Lysianassoidea: Tryphosinae) from the deep sea Campos Basin, southwestern Atlantic Ocean. ---- *Zootaxa* 3873, 145-154.

SITTROP, D. J. P. , C. S. SEREJO, J. P. SOUZA-FILHO & A. R. SENNA 2014. New genera and species of Urothoidae (Amphipoda) from the Brazilian deep sea, with the reassignment of *Pseudurothoe* and *Urothopsis* to Phoxocephaloidea. ---- *Journal of Natural History* 49, 527-563. (Deals with the genera *Pseudurothoe* and *Urothopsis*, who

are transferred to the Phoxocephalopsidae; a key to the genera of that family is provided. The genus *Urothoe* is in need of a revision. Two new urothoid genera are here established: *Carangolioides* n. gen with type species *C. castellatus* n. sp and further species *C. hamatus*, both from the Campos Basin, and *Coronaurothoe* n. gen, with as only species *C. rotunda* n. sp., also from the Campos Basin. A key to urothoid genera is also provided.)

SIVERTSEN, K. & A. BJØRGE 2015. On the brink of the Arctic: Unusual intertidal sub-Arctic kelp associations in the Porsangerfjord. ---- *Journal of Marine Research* 11, 405-413.

SLOTHUBER GALBREATH, J. G. M., J. E. SMITH, R. S. TERRY, J. J. BECNEL & A. M. DUNN 2013. Invasion success of *Fibrillanosema crangonycis* n. sp., n. g.: A novel vertically transmitted microsporidian parasite from the invasive amphipod *Crangonyx pseudogracilis*. ---- *International Journal of Parasitology* 34, 235-244.

SMITH, C. R., A. F. BERNARDINO, A. BACO, A. HANNIDES & I. ALTAMIRA 2014. Seven-year enrichment: macrofaunal succession in deep-sea sediments around a 30 tonne whale fall in the Northeast Pacific. ---- *Marine Ecology Progress Series* 515, 133-149.

SMITH, L. A. & M. M. WEBSTER 2015. *Gammarus pulex* show a grouping response to conspecific injury cues but not to predator kairomones. ---- *Behavioral Ecology*, in press.

SSWAT, M., B. GULLIKSEN, I. MENN, A. K. SWEETMAN & D. PIEPENBERG 2015. Distribution and composition of the epibenthic megafauna north of Svalbard (Arctic). ---- *Polar Biology* 38, 861-877

STARR, H., T. HEGNA & M. A. S. McMENAMIN 2015. *Epilogue to the tale of the Triassic amphipod: Rosagammarus is a decapod tail (Luning formation, Nevada)*. ---- North Central Section-Geological Society of America, 49<sup>th</sup> Annual Meeting. (The recently described *Rosagammarus* from the Triassic turns out, after further investigations, not to be an amphipod at all, but part of the tail section of an unidentifiable decapod. Sic transit!)

STEVENS, C. J., S. K. JUNIPER, H. LIMÉN, D. W. POND, A. METAXAS & Y. GÉLINAS 2015. Obligate hydrothermal vent fauna at East Diamante submarine volcano (Mariana Arc) exploit photosynthetic and chemosynthetic carbon sources. ---- *Marine Ecology Progress Series* 525, 25-39.

STONE, C. F. & J. MOORE 2014. Parasite-induced alteration of odour responses in an amphipod-acanthocephalan system. ---- *International Journal for Parasitology* 44, 969-976. (*Hyalella azteca* and *Leptorhynchoides thecatus*.)

SUDO, H. & N. KAJIHARA 2015. Mortality of juvenile Japanese flounder *Paralichthys olivaceus* caused by scavenging amphipods and ostracods in trap experiments. ---- *Fisheries Science* 81, 301-308. (*Orchomene naikaiensis* and *O. spec.*)

TAKADA, Y., N. KAJIHARA, S. MOCHIZUKI & T. MURAKAMI 2014. Effects of environmental factors on the density of three species of peracarid crustaceans in micro-

tidal sandy shores in Japan. ---- *Ecological Research* 30, 101-109. (i.a. *Haustorioides japonicus*)

TARGUSI, M., B. LA PORTA, T. BACCI, F. BERTASI, L. GROSSI, P. LA VALLE, L. LATTANZI, M. LOJA, V. MARUSSO, L. NICOLETTI, P. TOMASETTI, B. TRABUCCO & D. VANI 2014. Benthic assemblages responses to different kinds of anthropogenic pressures: three study cases (Western Mediterranean Sea). ---- *Biologie Marine Mediterranee* 21, 182-185

TERRON-SIGLER, A., P. PEÑALVER-DUQUE, D. LÉON-MUEZ & F. ESPINOSA TORRE 2014. Spatio-temporal macrofaunal assemblages associated with the endangered orange coral *Astroides calycularis* (Scleractinia: Dendrophylliidae). ---- *Aquatic Biology* 21, 143-154. (Many amphipod species in Table 1. *Stenothoe cavimana* and *Lembos* sp. are codominant)

THOMAS, S. M., K. E. KUVALENKO, J. E. HAVEL & L. B. KATS 2015. Aquatic invasive species: general trends in the literature and introduction to the special issue. ---- *Hydrobiologia* 746, 1-12.

TOMIKAWA, K., H. Y. SOH, N. KOBAYASHI & A. YAMAGUCHI 2014. Taxonomic relationship between two *Gammarus* species, *G. nipponensis* and *G. sobaegensis* (Amphipoda: Gammaridae), with description of a new species. ---- *Zootaxa* 3873, 451-476. (An extensive molecular study. *Gammarus mukudai* n. sp. (Iki, Nagasaki pref.), *G. nipponensis* and *G. sobaegensis* are fully described.)

TORRES, A. C., P. VEIGA, M. RUBAL & J. SOUSA-PINTO 2015. The role of annual macroalgal morphology in driving its epifaunal assemblages. ---- *Journal of Experimental Marine Biology and Ecology* 464, 96-106. (A Portuguese study)

TRAPP, J., J. ARMENGAUD, P. PIBLE, J.-C. GAILLARD, K. ABBACI, Y. HABTOUL, A. CHAUMET & O. GEFFARD 2014. Proteomic investigation of male *Gammarus fossarum*, a freshwater crustacean, in response to endocrine disruptors. ---- *Journal of Proteome Research* 14, 292-303.

TREVISAN, M., D. LEROY, N. DECLOUX, J.-P. THOME & PH. COMPÈRE 2014. Molt-related changes in the integument, midgut, and digestive gland in the freshwater amphipod *Gammarus pulex*. ---- *Journal of Crustacean Biology* 34, 539-551. (Not seen)

TRUHLAR, A. M. & D. C. ALDRIDGE 2015. Differences in behavioural traits between two potentially invasive amphipods, *Dikerogammarus villosus* and *Gammarus pulex*. ---- *Biological Invasions* 17, 1569-1579.

UDEKEM d'ACÓZ, C. d' & C. HAVERMANS 2015. Contribution to the systematics of the genus *Eurythenes* S.I. Smith in Scudder, 1882 (Crustacea: Amphipoda: Lysianassoidea: Eurythenidae). ---- *Zootaxa* 3971, 1-80. (A thorough review, dealing with *E. andhakarae* n. sp. (Antarctic, 3060m), *E. gryllus*, *E. magellanicus* (revived), *E. maldoror* n. sp. (Argentine Basin, 4600m), *E. obesus*, *E. sigmigerus* n. sp. (SW Atlantic, off Brazil, 4480m), and *E. thurstoni*. A key is provided, but the authors warn, that several as yet undescribed species exist.)

UGOLINI, A., A. CINCINELLI, T. MARTINELLI & S. DOUMETT 2015. Salt concentration and solar orientation in two supralittoral sandhoppers: *Talitrus saltator* (Montagu) and *Talorchestia ugonii* Bellan Santini and Ruffo. ---- *Journal of Comparative Physiology A* 201, 455-460.

URIEN, N., E. UHER, E. BILFOIR, O. GEFFARD, L. C. FECHNER & J. D. LEBRUN 2015. A biodynamic model predicting waterborne lead bioaccumulation in *Gammarus pulex*: Influence of water chemistry and *in situ* validation. ---- *Environmental Pollution* 203, 22-30.

VADER, W. 2015. (A small collection of amphipods from the light vessel 'Noordhinder'). ---- *Het Zeepaard* 75, 53-54. (Dutch with English summary. *Caprella tuberculata*, *Jassa marmorata* and *Stenothoe valida*)

VADER, W. & A. H. S. TANDBERG 2015. Amphipods as associates of other Crustacea: a survey. ---- *Journal of Crustacean Biology* 35, 522-532.

VADHER, A. N., R. STUBBINGTON & P. J. WOOD 2015. Fine sediment reduces vertical migrations of *Gammarus pulex* (Crustacea: Amphipoda) in response to surface water loss. ---- *Hydrobiologia* 753, 61-71.

VALIÑAS, M. S. & E. W. HELBLING 2015. Sex-dependent effects of ultraviolet radiation on the marine amphipod *Amphitoe* (sic) *valida* (Amphitoidae). ---- *Journal of Photochemistry and Photobiology. B. Biology* 147, 75-82.

VAN GEEST, J. L., L. E. BURRIDGE & K. A. KIDD 2014. Toxicity of two pyrethroid-based anti sea-lice pesticides, AlphaMax and Excis, to a marine amphipod in aqueous and sediment exposures. ---- *Aquaculture* 434, 233-240. (*Echinogammarus finmarchicus*)

VARIGIN, A. Y. 2015. Sexual structure of population and reproduction cycle of *Echinogammarus olivii* (Crustacea, Isopoda) (sic! WV) in the fouling community of Odessa Bay. ---- *Visnyk of Dnipropetrovsk University, Biology, Ecology* 23 (Not seen)

VEDENIN, A. A., S. V. GALKIN & V. V. KOZLOVSKIY 2015. Macrobenthos of the Ob Bay and the adjacent Kara Sea shelf. ---- *Polar Biology* 38, 829-844.

VEIGA, P., M. RUBAL & I. SOUSA-PINTO 2014. Structural complexity of macroalgae influences epifaunal assemblages associated with native and invasive species. ---- *Marine Environmental Research* 101, 118-123.

VERESHCHAGINA, K. P., Y. A. LUBYAGA, D. V. AXENOV-GRIBANOV, A. N. GURKOV, E. S. KONDRATIEVA, E. P. SHCHAPOVA, S. O. PROKOSOV & Z. M. SHATILINA 2014. The particularities on nonspecific stress resistance mechanism activation in Baikalian endemic amphipod *Gmelinoides fasciatus* (Stebb, 1899) under thermal stress. ---- *Journal of Stress Physiology and Biochemistry* 10, 131-138.

VIGNERON, A., O. GEFFARD, M. COQUERY, A. FRANCOIS, H. QUÉAU & A. CHAUMOT 2015. Evolution of cadmium tolerance and associated costs in a *Gammarus*



*fossarum* population inhabiting a low-level contaminated stream. ---- *Ecotoxicology*, in press.

VINAGRE, P. A., A. J. PAIS-COSTA, J. C. MARQUES & J. M. NETO 2015. Setting reference conditions for mesohaline and oligohaline macroinvertebrate communities sensu WFD: Helping to define achievable scenarios in basin management plans. ---- *Ecological Indicators* 56, 171-183.

VONK, R. & D. JAUME 2014. Syntopy in rare marine interstitial crustaceans (Amphipoda, Ingolfiellidae) from small coral islands in the Molucca Sea, Indonesia. ---- *Marine Biodiversity* 44, 163-172. (Not seen, unfortunately. *I. botoi* n. sp.)

VONK, R. & D. JAUME 2014. *Ingolfiella maldivensis* sp.n. (Crustacea, Amphipoda, Ingolfiellidae) from coral reef sand off Magoodhoo Island, Maldives. ---- *ZooKeys* 449, 69-79.

WALLIS, L. K., S. A. DIAMOND, H. MA, D. J. HOFF, S. R. AL-ABED & S. LI 2014. Chronic TiO<sub>2</sub> nanoparticle exposure to a benthic organism, *Hyalella azteca*: impact of solar UV-radiation and material surface coatings on toxicity. ---- *Science of the Total Environment* 499, 356-362.

WANG, N., J. L. KUNZ, S. G. INGERSOLL, C. D. IVEY, W. G. BRUMBAUGH, E. A. GLIDEWELL, M. C. BARNHART, J. BARTOSZEK, B. SHEPHARD & T. NORBERG-KING 2015. Toxicity of hexavalent chromium [Cr(VI)] to two freshwater mussels (*Margaritifera falcata*, *Lampsilis siliquoidea*) and an amphipod (*Hyalella azteca*) with or without a co-stressor. ----Conference paper at SETAC North American Meeting 35, DOI: 10.13140/2.1.1677.2806

WEBSTER, C. N., Ø. VARPE, S. FALK-PETERSEN, J. BERGE, E. STÜBNER & A. S. BRIERLEY 2015. Moonlit swimming: vertical distributions of macrozooplankton and nekton during the polar night. ---- *Polar Biology* 38, 75-85

WEI, Y., J. ZHANG, W. WU, Y. YAO, J. CHEN & J. FANG 2015. A preliminary study of the reproductive biology of the biofouling organism *Caprella acanthogaster* (Crustacea, Amphipoda) in Sanggou Bay, China. ---- *Aquaculture*, in press.

WILDISH, D. J. 2014. New genus and two new species of driftwood hoppers (Crustacea: Amphipoda: Talitridae) from northeast Atlantic and Mediterranean coastal regions. ---- *Zoosystematics and Evolution* 90, 133-146. (The new taxa are *Neotenorchestia kenwildishi* n. gen, n. sp. from driftwood in the Swale estuary, UK, and *Macarorchestia pavesiae* n. sp. from Lesina, Adriatic coast of Italy. *Orchestia microphthalma* is transferred to *Macarorchestia*)

WILDISH, D. J. & S. E. LECROY 2014. *Mexorchestia*: a new genus of talitrid amphipod (Crustacea, Amphipoda, Talitridae) from the Gulf of Mexico and Caribbean Sea, with the description of a new species and two new subspecies. ---- *Zootaxa* 3856, 555-577. (Deals with *Tethorchestia antillensis* (*T. karukerae* may have been based on immature specimens of this species), and *Mexorchestia* new genus, with the type species *M. carpenteri* n. sp. (Marco Island, Florida) and the new subspecies *M. carpenteri raduloviciae* n. spp (Turneffe Island, Belize).)

WINBERG, P. C. & A. R. DAVIS 2014. Ecological response to MPA zoning following cessation of bait harvesting in an estuarine tidal flat. ---- *Marine Ecology Progress Series* 517, 171-180

WINTERS, A. D. & M. FAISAL 2014. Molecular and ultrastructural characterization of *Haplosporidium diporeiae* n. sp., a parasite of *Diporeia* sp. (Amphipoda, Gammaridea) in the Laurentian Great Lakes (USA). ---- *Parasite Vectors*, in press

WINTERS, A. D., S. FITZGERALD, T. O. BRENDEN, T. NALEPA & M. FAISAL 2015. Spatio-temporal dynamics of parasites infecting *Diporeia* spp (Amphipoda, Gammaridae) (sic) in southern Lake Michigan. ---- *Journal of Invertebrate Pathology* 121, 37-45.

WINTERS, A. D., T. L. MARSH, T. O. BRENDEN & M. FAISAL 2014. Analysis of bacterial communities associated with the benthic amphipod, *Diporeia*, in the Laurentian great Lake Basin. ---- *Canadian Journal of Microbiology* 61, 72-81 (Not seen)

WONGKAMHAENG, K. & C. BOONYANUSITH 2015. *Ceradocus adangensis*, a new species (Crustacea, Amphipoda, Maeridae) from coral reefs of the Andaman Sea. ---- *Marine Biodiversity*, in press (From Adang Island, Satun Prov., Andaman Sea, Thailand)

WONGKAMHAENG, K., J. NABHITABHATA & P. TOWATANA 2015. Corophiine amphipods of the genera *Chelicorophium* and *Paracorophium* from the lower Gulf of Thailand (Crustacea, Amphipoda, Corophiidae, Corophiinae). ---- *ZooKeys* 505, 35-50. (Deals with *Paracorophium angsupanichae* n. sp. (Middle Songkhla Lake) and *Chelicorophium madrasense*.)

WU, Y. H., T. M. WU, C. Y. HONG, Y. S. WANG & J. H. YEN 2014. Screening differentially expressed genes in an amphipod (*Hyalella azteca*) exposed to fungicide vinclozolin by suppression subtractive hybridization. ---- *Journal of Environmental Science and Health B* 49, 856-863.

WÜRZBERG, L., A.-C. ZINKANN, A. BRANDT, D. JANUSSEN, J. M. BOHN & E. SCHWABE 2014. Intensity of pelagic-benthic coupling in different regions along the Antarctic Polar Front---clues from abyssal megafauna. ---- *Deep-Sea Research II* 108, 85-92.

YABUT, M. G., E. A. LAZO-WASEM, E. J. STERLING & A. GOMEZ 2014. New records of *Hyachelia tortugae* Barnard, 1967, and *H. lowryi* Serejo and Sittrop, 2009 (Amphipoda: Gammaridea: Hyalidae) from Palmyra Atoll National Wildlife Refuge: Cooccurrence on Pacific Green Turtles (*Chelonia mydas*). ---- *American Museum Novitates* 3809, 1-12.

YAMADA, K., Y. TANAKA, T. ERA & M. NAKAOKA 2014. Environmental and spatial controls of macroinvertebrate assemblages in seagrass ecosystems. ---- *Global Ecology and Conservation* 2, 47-61.

ZAABAR, W., R. ZAKHAMA-SRAIEB, F. CHARFI-CHEIKROUHA & M. S. ACHOURI 2015. Abundance and diversity of amphipods (Crustacea: Peracarida) on shallow algae and seagrass in lagoonal ecosystem of the Mediterranean Tunisian coast. ---- *Zoological*

*Studies* 54:38 (Ten amphipod species, with *Gammarus aequicauda* the most common one.)

ZEIDLER, W. 2015. A review of the hyperiidean genus *Hyperoche* Bovallius, 1887 (Crustacea: Amphipoda: Hyperiidea: Hyperiididae), with the description of a new genus to accommodate *H. shihi* Gasca, 2005. ---- *Zootaxa* 3905, 151-192. (Another one in Wolfgang's beautiful series of careful reviews. A key is provided. *H. cryptodactylus* is considered to be a synonym of *H. luetkenides*. *Hyperoche macrocephalus* n. sp. was collected in the mid-eastern Indian Ocean, off Sumatra. The new genus *Prohyperia* is erected to accommodate *Hyperoche shihi*.)

ZHENG, ZX., L. HUANG, Q. QAN & R. LIN 2014. Amphipods fail to suppress the accumulation of *Ulva lactuca* biomass in eutrophic Yundang Lagoon. ---- *Acta Oceanologica Sinica*, in press.

ZUBROD, J. P., D. ENGLERT, A. FEXKLER, N. KOKSHAROVA, M. KONSCHAK, R. BUNDSCHUH, N. SCHNETZER, K. ENGLERT, R. SCHULZ & M. BUNDSCHUH 2015. Does the current fungicide risk assessment provide sufficient protection for key drivers in aquatic ecosystem functioning? ---- *Environmental Science and Technology*, in press (Studies on *Gammarus fossarum*)

ZUBROD, L. P., D. ENGLERT, R. R. ROSENFELDT, J. WOLFRAM, S. LÜDERWALD, D. WALLACE, N. SCHNETZER, R. SCHUTE & M. BUNDSCHUH 2015. The relative importance of diet-related and waterborn effects of copper for a leaf-shredding invertebrate. ---- *Environmental Pollution* 205, 16-22. (*Gammarus fossarum*)

## Compilation of Amphipod relevant literature

Please tell the AN editors and Olli Coleman about your recent publications on amphipods - and send a pdf of your paper. Olli can include it on the server and the editors can include it in the bibliography....

## List of new amphipod taxa AN39

### New families and subfamilies

Paracallisominae Kilgallen & Lowry, 2015  
Scopelocheirinae Kilgallen & Lowry, 2015

Scopelocheiridae  
Scopelocheiridae

### New genera and subgenera

**Austrocallisoma** Kilgallen & Lowry, 2015

Scopelocheiridae

<b>Austrothoe</b> Peart, 2014	Ampithoidae
<b>Carangolioides</b> Sittrop, Serejo, Souza-Filho & Senna, 2014	Urothoidae
<b>Coronaurothoe</b> Sittrop, Serejo, Souza-Filho & Senna, 2014	Urothoidae
<b>Debroyerella</b> Lowry & Kilgallen, 2015	Uristidae
<b>Des</b> Lowry & Kilgallen, 2014	Uristidae
<b>Lepesubchela</b> Johansen & Vader, 2015	Lepechinellidae
<b>Mexorchestia</b> Wildish & Lecroy, 2014	Talitridae
<b>Mizuhorchestia</b> Morino, 2014	Talitridae
<b>Neotenorchestia</b> Wildish, 2014	Talitridae
<b>Nipponorchestia</b> Morino & Miyamoto, 2015	Talitridae
<b>Papuadocus</b> Corbari & Sorbe, 2015	Maeridae
<b>Paraflagitopisa</b> Ariyama, 2015	Eriopisidae
<b>Paranexes</b> Peart, 2014	Ampithoidae
<b>Patonga</b> Lowry & Kilgallen, 2014	Tryphosinae
<b>Prohyperia</b> Zeidler, 2015	Hyperiidae
<b>Pyatakoveestia</b> Morino & Miyamoto, 2015	Talitridae
<b>Sudanea</b> Krapp-Schickel, 2015	Stenothoidae
<b>Tasmanoosa</b> Lowry & Kilgallen, 2014	Tryphosinae
<b>Tayabasa</b> Kilgallen & Lowry, 2015	Scopelocheiridae
<b>Ulladulla</b> Lowry & Kilgallen, 2015	Tryphosinae

### New species and subspecies

<b>adangensis</b> Wongkamhaeng & Boonyanusith, 2015 ( <i>Ceradocus</i> )	Maeridae
<b>alkhiranensis</b> Myers & Momtazi, 2015 ( <i>Elasmopus</i> )	Maeridae
<b>amoto</b> Morino, 2014 ( <i>Bousfieldia</i> )	Talitridae
<b>andamanensis</b> Krapp-Schickel, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>andhakarae</b> d'Udekem d'Acoz & Havermans, 2015 ( <i>Eurythenes</i> )	Eurytheneidae
<b>andrevo</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>angsupanichae</b> Wongkamhaeng, Nabhitabhata & Towatana, 2015 ( <i>Paracorophium</i> )	Corophiidae
<b>ankeri</b> Alves, Johnsson & Senna, 2014 ( <i>Dulichieilla</i> )	Melitidae
<b>anophthalma</b> Kaim-Malka, 2014 ( <i>Ambasia</i> )	Lysianassidae
<b>atauro</b> Hughes, 2015 ( <i>Ampithoe</i> )	Ampithoidae
<b>bella</b> Krapp-Schickel & Lo Brutto, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>bicornis</b> Lim, Othman & Takeuchi, 2015 ( <i>Orthoprotella</i> )	Caprellidae
<b>biodiwai</b> Corbari & Sorbe, 2015 ( <i>Papuadocus</i> )	Maeridae
<b>biscayensis</b> Kaim-Malka, 2014 ( <i>Bathymaryllis</i> )	Amaryllidae
<b>boloceropsis</b> Krapp-Schuckel, Häussermann & Vader, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>boninensis</b> Morino & Miyamoto, 2015 ( <i>Pyatakoveestia</i> )	Talitridae
<b>botoi</b> Vonk & Jaume, 2014 ( <i>Ingolfiella</i> )	Ingolfiellidae
<b>burrowwo</b> Hughes & Peart, 2015 ( <i>Exampithoe</i> )	Ampithoidae
<b>calderoni</b> Hendrickx & Ayon-Parente, 2014 ( <i>Caprella</i> )	Caprellidae
<b>capricornia</b> Lowry & Kilgallen, 2014 ( <i>Paralysianopsis</i> )	Tryphosinae
<b>carballoi</b> Sanchez-Moyano, Garcia-Asencio & Guerra-Garcia, 2014 ( <i>Paracaprella</i> )	Caprellidae
<b>carpenteri</b> Wildish & Lecroy, 2014 ( <i>Mexorchestia</i> )	Talitridae
<b>castellatus</b> Sittrop, Serejo, Souza-Filho & Senna, 2014 ( <i>Carangoloides</i> )	Urothoidae

<b>christinae</b> Johansen & Vader, 2015 ( <i>Lepesubchela</i> )	Lepechinellidae
<b>christorei</b> Hughes, 2015 ( <i>Linguimaera</i> )	Maeridae
<b>cito</b> Lowry & Kilgallen, 2014 ( <i>Cedrosella</i> )	Tryphosinae
<b>clavetta</b> Krapp-Schickel, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>colmani</b> Lowry & Kilgallen, 2014 ( <i>Tryphosites</i> )	Tryphosinae
<b>curvata</b> Morino & Miyamoto, 2015 ( <i>Nipponorchestia</i> )	Talitridae
<b>dampieri</b> Lowry & Springthorpe, 2015 ( <i>Talorchestia</i> )	Talitridae
<b>dandenong</b> Lowry & Kilgallen, 2014 ( <i>Paralysianopsis</i> )	Tryphosinae
<b>debroyeri</b> Schiaparelli et al., 2015 ( <i>Lepidepecreella</i> )	Lepidepecreellidae
<b>delectabilis</b> Hughes & Lowry, 2015 ( <i>Socarnella</i> )	Lysianassidae
<b>derbyensis</b> Lowry & Springthorpe, 2015 ( <i>Tropicorchestia</i> )	Talitridae
<b>dongtanense</b> Ren & Liu, 2014 ( <i>Sinocorophium</i> )	Corophiidae
<b>dubiaski</b> Lacerda & Masunari, 2014 ( <i>Paracaprella</i> )	Caprellidae
<b>excavata</b> Ariyama, 2015 ( <i>Paraflagitopisa</i> )	Eriopisidae
<b>foscae</b> Siqueira & Serejo, 2014 ( <i>Cheirimedon</i> )	Tryphosinae
<b>gallaharae</b> Peart, 2014 ( <i>Paranexes</i> )	Ampithoidae
<b>glasbyi</b> Lowry & Springthorpe, 2015 ( <i>Tropicorchestia</i> )	Talitridae
<b>gorea</b> Krapp-Schickel, 2015 ( <i>Parametopa</i> )	Stenothoidae
<b>griffini</b> Lowry & Kilgallen, 2014 ( <i>Des</i> )	Uristidae
<b>gurui</b> Senna, Sorrentino, Chatterjee & Schizas, 2014 ( <i>Boca</i> )	Aristiidae
<b>guryongensis</b> Shin, Coleman, Hong & Kim, 2015 ( <i>Peramphithoe</i> )	Ampithoidae
<b>hamatus</b> Sittrop, Serejo, Souza-Filho & Senna, 2014 ( <i>Carangoloides</i> )	Urothoidae
ssp <b>hanajevi</b> Daneliya & Väinölä, 2014 ( <i>Dorogostaiskia parasitica</i> )	Acanthogammaridae
<b>haraktis</b> Piscart, Merzoug & Hafis, 2013 ( <i>Echinogammarus</i> )	Gammaridae
<b>helgae</b> Ringvold & Tandberg, 2014 ( <i>Halirages</i> )	Calliopiidae
<b>herrerae</b> Ortiz & Winfield, 2015 ( <i>Cymadusa</i> )	Ampithoidae
<b>himyara</b> Krapp-Schickel, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>hippolyte</b> Kilgallen & Lowry, 2015 ( <i>Hippomedon</i> )	Tryphosinae
<b>inopinata</b> Krapp-Schickel, 2015 ( <i>Sudanea</i> )	Stenothoidae
<b>isabelae</b> Sanchez-Moyano, Garcia-Asencio & Guerra-Garcia, 2014 ( <i>Paracaprella</i> )	Caprellidae
<b>isabelensis</b> Sanchez-Moyano, Garcia-Asencio & Guerra-Garcia, 2014 ( <i>Liropus</i> )	Caprellidae
<b>Itampolo</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>iwasai</b> Morino & Miyamoto, 2015 ( <i>Pyatakoveestia</i> )	Talitridae
<b>jakovi</b> Sidorov, 2015 (in Sidorov et al 2015.) ( <i>Zenkevitchia</i> )	Typhlogammaridae
<b>jarettii</b> Labay, 2014 ( <i>Quasimelita</i> )	Melitidae
<b>jerryi</b> Kilgallen & Lowry, 2015 ( <i>Austrocallisoma</i> )	Scopelocheiridae
<b>jimlowryi</b> Peart, 2014 ( <i>Austrothoe</i> )	Ampithoidae
<b>kalili</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
ssp <b>kamaltynovi</b> Daneliya & Väinölä, 2014 ( <i>Dorogostaiskia parasitica</i> )	Acanthogammaridae
<b>kawaii</b> Labay, 2014 ( <i>Melitoides</i> )	Melitidae
<b>kenwildishi</b> Wildish, 2014 ( <i>Neotenorchestia</i> )	Talitridae
<b>laurenae</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>levantina</b> Krapp-Schickel & Lo Brotto, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>lindsayae</b> Lowry & Springthorpe, 2015 ( <i>Cochinorchestia</i> )	Talitridae
<b>linnaei</b> Perez-Schultheiss, 2015 ( <i>Aristias</i> )	Aristiidae
<b>lobatus</b> Ariyama, 2015 ( <i>Psammogammarus</i> )	Eriopisidae
<b>loerzae</b> Coleman & Thurston, 2014 ( <i>Oedicerina</i> )	Oedicerotidae



<b>lui</b> Lowry & Kilgallen, 2014 ( <i>Lysianella</i> )	Tryphosinae
<b>macrocephalus</b> Zeidler, 2015 ( <i>Hyperoche</i> )	Hyperiididae
<b>magellanicus</b> (H. Milne-Edwards, 1848) ( <i>Eurythenes</i> ) revived	Eurytheneidae
<b>maldivensis</b> Vonk & Jaume, 2014 ( <i>Ingolfiella</i> )	Ingolfiellidae
<b>maldoror</b> d'Udekem d'Acoz & Havermans, 2015 ( <i>Eurythenes</i> )	Eurytheneidae
<b>martrudan</b> Lowry & Kilgallen, 2014 ( <i>Parschisturella</i> )	Uristidae
<b>medora</b> Lowry & Kilgallen, 2014 ( <i>Parschisturella</i> )	Uristidae
<b>mercedesae</b> Hendrickx & Ayon-Parente, 2014 ( <i>Caprella</i> )	Caprellidae
<b>metcalfeae</b> Lowry & Springthorpe, 2015 ( <i>Cochinorchestia</i> )	Talitridae
<b>metinaro</b> Hughes, 2015 ( <i>Quadrimeaera</i> )	Maeridae
<b>mirzajanii</b> Krapp-Schickel & Sket, 2015 ( <i>Melita</i> )	Melitidae
<b>misionensis</b> Colla & César, 2015 ( <i>Hyaella</i> )	Hyaellidae
<b>moonamoon</b> Lowry & Kilgallen, 2014 ( <i>Lysianella</i> )	Tryphosinae
<b>morumbene</b> Lowry & Springthorpe, 2015 ( <i>Cochinorchestia</i> )	Talitridae
<b>mukudai</b> Tomikawa, Soh, Kobayashi & Yamaguchi, 2014 ( <i>Gammarus</i> )	Gammaridae
<b>nona</b> Lowry & Kilgallen, 2014 ( <i>Patonga</i> )	Tryphosinae
<b>norvegica</b> Johansen & Vader, 2015 ( <i>Lepechinella</i> )	Lepechinellidae
<b>ntensis</b> Lowry & Springthorpe, 2015 ( <i>Microrchestia</i> )	Talitridae
<b>nudiramus</b> Morino & Miyamoto, 2015 ( <i>Nipponorchestia</i> )	Talitridae
<b>ochos</b> Peart, 2014 ( <i>Austrothoe</i> )	Ampithoidae
<b>odessana</b> Sidorov & Kovtun, 2015 ( <i>Synurella</i> )	Crangonyctidae
<b>oluanpi</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>papeari</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>pavesiae</b> Wildish, 2014 ( <i>Macarorchestia</i> )	Talitridae
<b>persia</b> Momtazi, Sari & Maghsoudou, 2014 ( <i>Melita</i> )	Melitidae
<b>pilot</b> Lowry & Kilgallen, 2014 ( <i>Parschisturella</i> )	Uristidae
<b>pitu</b> Sanchez-Moyano, Garcia-Asencio & Guerra-Garcia, 2014 ( <i>Caprella</i> )	Caprellidae
<b>poka</b> Lowry & Springthorpe, 2015 ( <i>Cochinorchestia</i> )	Talitridae
<b>pomona</b> Lowry & Kilgallen, 2014 ( <i>Paralysianopsis</i> )	Tryphosinae
<b>possessionis</b> De Smet, 2015 ( <i>Pseudoringolfiella</i> )	Pseudoringolfiellidae
<b>psittacus</b> Lowry & Kilgallen, 2014 ( <i>Tryphosites</i> )	Tryphosinae
<b>queshm</b> Lowry & Momtazi, 2015 ( <i>Talorchestia</i> )	Talitridae
ssp. <b>raduloviciae</b> Wildish & Lecroy, 2014 ( <i>Mexorchestia carpenteri</i> )	Talitridae
<b>rafaeli</b> Coleman & Lowry, 2014 ( <i>Epimeria</i> )	Epimeriidae
<b>rafaeli</b> Lowry & Kilgallen, 2014 ( <i>Stephonyx</i> )	Uristidae
<b>rostra</b> Jung & Yoon, 2015 ( <i>Kamaka</i> )	Kamakidae
<b>rotunda</b> Sittrop, Serejo, Souza-Filho & Senna, 2014 ( <i>Coronaurothoe</i> )	Urothoidae
<b>ruffoi</b> Lowry & Kilgallen, 2014 ( <i>Paralysianopsis</i> )	Tryphosinae
<b>samroi-yodensis</b> Azman, Wongkamhaeng & Dumrongrojwattana, 2014 ( <i>Floresorchestia</i> )	Talitridae
<b>schellenbergi</b> Stephensen, 1944 (rev.) ( <i>Lepechinella</i> )	Lepechinellidae
<b>selje</b> Lowry & Kilgallen, 2015 ( <i>Ulladulla</i> )	Tryphosinae
<b>senegalensis</b> Krapp-Schickel, 2015 ( <i>Stenothoe</i> )	Stenothoidae
<b>serejoae</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>seringat</b> Lowry & Springthorpe, 2015 ( <i>Floresorchestia</i> )	Talitridae
<b>serraticoxae</b> Labay, 2014 ( <i>Quasimelita</i> )	Melitidae
<b>setosa</b> Serejo, 2014 ( <i>Alexandrella</i> )	Stilipedidae
<b>sigmiferus</b> d'Udekem d'Acoz & Havermans, 2015 ( <i>Eurythenes</i> )	Eurytheneidae
<b>soela</b> Lowry & Kilgallen, 2014 ( <i>Microlysias</i> )	Tryphosinae
<b>sonne</b> Kilgallen, 2014 ( <i>Hirondellea</i> )	Hirondelleidae

**ssp stenocephala** Daneliya & Väinölä, 2014 (*Dorogostaiskia parasitica*)

**suprapiscis** Galvan-Villa & Ayon-Parente, 2015 (*Caprella*)

**tantabiddyensis** Lowry & Springthorpe, 2015 (*Australorchestia*)

**tasman** Lowry & Kilgallen, 2014 (*Tasmanoosa*)

**taylori** Hughes & Peart, 2015 (*Exampithoe*)

**teloksuang** Lim, Othman & Takeuchi, 2015 (*Paraprotella*)

**thalyae** Gouillieux & Sorbe, 2015 (*Elasmopus*)

**thurstoni** Kilgallen, 2014 (*Hirondellea*)

**tibarensis** Hughes, 2015 (*Elasmopus*)

**tirmiziae** Bano & Karmi, 2008 (*Hirayamaia*)

**titan** Senna, Andrade, Castelo-Branco & Ferreira, 2014 (*Spelaeogammarus*)

**tolyza** Labay, 2014 (*Quasimelita*)

**toogooloo** Lowry & Kilgallen, 2014 (*Tasmanoosa*)

**tourville** Kilgallen & Lowry, 2015 (*Hippomedon*)

**tulear** Lowry & Springthorpe, 2015 (*Cochinorchestia*)

**urania** Lowry & Kilgallen, 2014 (*Euonyx*)

**urauchiensis** Ariyama, 2013 (*Paragrandidierella*)

**ssp ushkaniensis** Daneliya & Väinölä, 2014 (*Dorogostaiskia parasitica*)

**urospina** Morino, 2014 (*Mizuhorchestia*)

**vaderi** Coleman & Thurston, 2014 (*Oedicerina*)

**victoriae** Johansen & Vader, 2015 (*Lepechinella*)

**wadai** Ariyama, 2015 (*Victoriopisa*)

**wagneri** Kilgallen, 2014 (*Hirondellea*)

**waratah** Hughes & peart, 2015 (*Exampithoe*)

**woolgoolga** Kilgallen & Lowry, 2015 (*Paracallisoma*)

**xarifa** Lowry & Kilgallen, 2014 (*Euonyx*)

**yallingup** Peart, 2014 (*Paranexes*)

**yap** Lowry & Springthorpe, 2015 (*Floresorchestia*)

**yucalpeten** Paz-Rios & Ardisson, 2014 (*Elasmopus*)

**zeidlereri** Hughes & Lowry, 2015 (*Riwo*)

**zivianii** Kilgallen & Lowry, 2015 (*Paracallisoma*)

Acanthogammaridae

Caprellidae

Talitridae

Tryphosinae

Ampithoidae

Caprellidae

Maeridae

Hirondelleidae

Maeridae

Corophiidae

Artesiidae

Melitidae

Tryphosinae

Tryphosinae

Talitridae

Uristidae

Aoridae

Acanthogammaridae

Talitridae

Oedicerotidae

Lepechinellidae

Eriopisidae

Hirondelleidae

Ampithoidae

Scopelocheiridae

Uristidae

Ampithoidae

Talitridae

Maeridae

Lysianassidae

Scopelocheiridae

## New taxa ranged alphabetically after families

Acanthogammaridae

*Dorogostaiskia parasitica hanajevi*, *p. kamaltynovi*, *p. stenocephala*, *p. ushkaniensis*

Amaryllidae

*Bathymaryllis biscayensis*

Ampithoidae

*Ampithoe atauro*

*Austrothoe jimlowryi*, *ochos*

*Cymadusa herrerae*

*Exampithoe burowwo*, *taylori*, *waratah*

**Paranexes gallaharae, yallingup**  
**Peramphithoe guryongensis**

Aoridae

**Paragrandierella urauchiensis**

Aristiidae

**Aristias linnaei**

**Boca gurui**

Artesiidae

**Spelaeogammarus titan**

Calliopiidae

**Halirages helgae**

Caprellidae

**Caprella calderoni, mercedesae, pitu, suprapiscis**

**Liropus isabelensis**

**Orthoprotella bicornis**

**Paracaprella carballoi, dubiaski, isabelae, teloksuang**

Corophiidae

**Hirayamaia tirmiziae**

**Paracorophium angsupanichae**

**Sinocorophium dongtanense**

Crangonyctidae

**Synurella odessana**

Epimeriidae

**Epimeria rafaeli**

Eriopisidae

**Paraflagitopisa excavata**

**Psammogammarus lobatus**

**Victoriopisa wadai**

Eurytheneidae

**Eurythenes andhakarae, magellanicus (rev.), maldoror, sigmiferus**

Gammaridae

**Echinogammarus haraktis**

**Gammarus mukudai**

Hirondelleidae

**Hirondellea sonne, thurstoni, wagneri**

Hyaellidae

**Hyaella misionensis**

## Hyperiididae

Hyperoche **macrocephalus**  
**Prohyperia**

## Ingolfiellidae

Ingolfiella **botoi**, **maldivensis**

## Kamakidae

Kamaka **rostra**

## Lepechinellidae

Lepechinella **norvegica**, **schellenbergi** (rev.), **victoriae**  
**Lepesubchela christinae**

## Lepidepecreellidae

Lepidepecreella **debroyeri**

## Lysianassidae

Ambasia **anophthalma**  
Riwo **zeidleri**  
Socarnella **delectabilis**

## Maeridae

Ceradocus **adangensis**  
Elasmopus **alkhiranensis**, **thalyae**, **tibarensis**, **yucalpeten**  
Linguimaera **christorei**  
**Papuadocus biodiwai**  
Quadrimaera **metinaro**

## Melitidae

Dulichella **ankeri**  
Melita **mirzajanii**, **persia**  
Melitoides **kawaii**  
Quasimelita **jarettii**, **serraticoxae**, **tolyza**

## Oedicerotidae

Oedicerina **loerzae**, **vaderi**

## Pseudingolfiellidae

Pseudingolfiella **possessionis**

## Scopelocheiridae

**Austrocallisoma jerryi**  
Paracallisoma **woolgoolga**, **zivianii**  
**Tayabasa**

## Stenothoidae

Parametopa **gorea**

**Stenothoe andamanensis, bella, boloceropsis, cattai (rev.), clavetta, crenulata (rev.), himyara, levantina, senegalensis**  
**Sudanea inopinata**

#### Stilipedidae

**Alexandrella setosa**

#### Talitridae

**Australorchestia tantabiddyensis**  
**Bousfieldia amoto**  
**Cochinorchestia lindsayae, metcalfeae, morrumbene, poka, tulear**  
**Floresorchestia andrevo, itampolo, kalili, laurenæ, oluanpi, papeari, samroiyodensis, serejoae, seringat, yap**  
**Macarorchestia pavesiae**  
**Mexorchestia carpenteri, ( carpenteri) raduloviciae**  
**Micrororchestia ntensis**  
**Mizuhorchestia urospina**  
**Neotenorchestia kenwildishi**  
**Nipponorchestia curvatus, nudiramus**  
**Pyatakoveestia boninensis, iwasai**  
**Talorchestia dampieri, queshm**  
**Tropicorchestia derbyensis, glasbyi**

#### Tryphosinae

**Cedrosella cito**  
**Cheirimedon foscae**  
**Hippomedon hippolyte, tourville**  
**Lysianella lui, moonamoona**  
**Microlysias soela**  
**Paralysianopsis capricornia, dandenong, pomona, ruffoi**  
**Patonga nona**  
**Tasmanoosa tasman, toogooloo**  
**Tryphosites colmani, psittacus**  
**Ulladulla selje**

#### Typhlogammaridae

**Zenkevitchia jakovi**

#### Uristidae

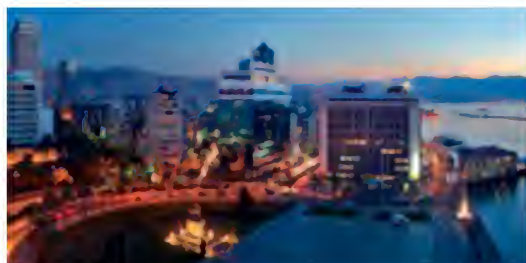
**Debroyerella**  
**Des griffin**  
**Euonyx urania, xarifa**  
**Parschisturella martrudan, medora, pilot**  
**Stephonyx rafaeli**

#### Urothoidae

**Carangolioides castellatus, hamatus**  
**Coronaurothoe rotunda**



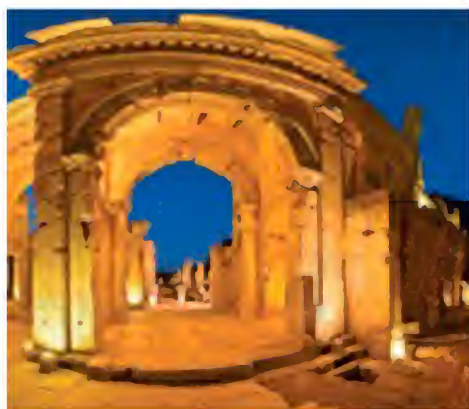
# 17th ICA



## 17<sup>TH</sup> INTERNATIONAL COLLOQUIUM ON AMPHIPODA (ICA)

Plans are well underway for the 17<sup>th</sup> International Colloquium on Amphipoda that will be held Izmir, Turkey. The metropolitan city of Izmir is situated along the western edge of Turkey and is soothed by a warm climate, refreshing wind and sunshine, and beautiful beaches of the Aegean Sea. Izmir, the frontier city of Turkey is further characterized by exquisite history, good food, and great hospitality. We hope to see you there in September 2017!

More detail information from Murat Özbek will follow.



### How do you get in touch with the Amphipod Newsletter?

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